

# ONKYO®

Audio/Video Products 2016–2017

## YOUR SOUND STORY STARTS HERE



[www.intl.onkyo.com](http://www.intl.onkyo.com)



# A Seachange in Sound

Onkyo's approach to audio goes beyond high fidelity. We seek to reveal the emotion and atmosphere within a recording in a way that moves you. By combining high current with noiseless processing, vitality is returned to music. That was our mission 70 years ago, when founder Takeshi Godai developed the first non-pressed cone woofer, and so it remains today. As passionate music lovers, our research and development is guided by human intuition and by human ears. Together with our industry partners, we've kept the soul of sound alive while staying ahead of the technology curve, introducing high-value features that make life simpler and better. If the product's wearing an Onkyo badge, then you know it's been designed with love, for pure love of sound.









# Hear Every Detail, Feel Every Emotion

Onkyo A/V receivers deliver all the dynamics and detail of next-generation film soundtracks and Hi-Res Audio for an enthralling entertainment experience. Custom componentry, such as massive transformers and audio-grade capacitors, provide high current for lightning-fast wide-spectrum dynamics. Discrete amp circuits prevent phase shifting to maintain a detail-rich and cohesive audio image, and display effortless composure at floor-shaking volumes.





# Dynamic Audio Amplification



## Hi-Current Capability

A massive customized High Current Power Supply and huge capacitors deliver a higher current flow than other products. More current grips large speaker cones for precise and agile sound reproduction.

## Non-Phase-Shift Amplifiers

Original amp circuits ensure that sounds of different frequencies arrive at your ears at exactly the same time. Accurate phase alignment lets your speakers present a well-focused and richly detailed audio image.

## VLSC™ Processing

Vector Linear Shaping Circuitry (VLSC) analyzes the audio signal during D/A conversion and filters out pulse noise inevitably generated by the DAC. Fine textures and details are unveiled in spectacular clarity.



## Why Upgrade to the RZ Series?

Our flagship RZ Series takes film and music to the next level. Every design element, from separated circuitry to upgraded custom audio componentry, contributes to full-scale reproduction to 5 Hz with fathomless driving power to fill large rooms at THX®-certified Theater Reference Volume.





## A/V RECEIVERS AND CONTROLLERS

### PR-RZ5100

11.2-Channel Network A/V Controller

BLACK



New for  
2016



### TX-RZ3100

11.2-Channel Network A/V Receiver

BLACK

SILVER



New for  
2016



THX® Certified

Ultra2™ Plus

Select2™ Plus

Power Output (Watts per Channel)

320 W/Ch (6 Ω, 1 kHz, 10%, 1 Channel Driven, JEITA)  
200 W/Ch (6 Ω, 1 kHz, 1%, IEC)

Amplifier Channels

11.2

Pre Out Channels

XLR / 11.2 Multichannel

11.2 Multichannel

HDMI® 4K/60 Hz, HDCP 2.2, HDR, BT.2020

✓\*1

✓\*1

Dynamic Audio Amplification

✓

FireConnect™ Multi-Room Wireless Technology

✓

✓

VLSC™ Noise-free Signal Processing

✓

✓

Separated Digital/Analog Circuitry

✓

✓

Separate Stereo and Multichannel DACs

✓

✓

Surround Sound Formats

Dolby Atmos®, DTS:X™

Dolby Atmos®, DTS:X™

AccuEQ Room Calibration with AccuReflex Technology

✓

✓

Google Cast™, AirPlay®, and Wi-Fi®

✓

✓

Streaming via Bluetooth® Technology

✓

✓

Internet Radio and Music Streaming\*3

✓

✓

DSD 11.2 MHz Playback

✓

✓

192 kHz/24-bit PCM and DSD 5.6 MHz Playback

✓

✓

Music Optimizer Also for Bluetooth Audio

✓

✓

Music Streaming and Control App

✓

✓

HDMI Inputs / Output / Zone 2 Output

7 + 1 (Front) / 1 / 1

7 + 1 (Front) / 1 / 1

2 x Separate DACs for 3-Zone Digital/Analog

✓

✓

Phono Input

✓

✓

Multi-Zone Playback

Zone 2 and Zone 3 Pre/Line Outs

Powered Zone 2, Powered Zone 3, Zone 2 Pre/Line Out,  
Zone 3 Pre/Line Out

Aluminum Front Panel and Volume Control

✓

✓

Dimensions (W x H x D)

435 x 201 x 447.5 mm

435 x 201 x 453 mm

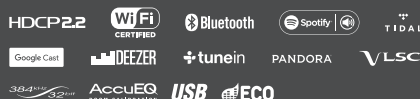
Weight

13.6 kg

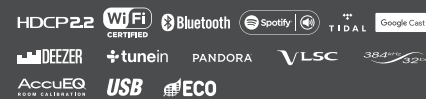
19.7 kg

Others

- Customized and Shielded Low-Hum Transformer and Separate Transformer for Standby • Custom Capacitors • DTS Neural:X™ Upmixes Standard 5.1 and 7.1 Formats to 3D Sound • Multiple 32-bit Digital Signal Processing Engines • 7 Analog and 5 Digital Audio Inputs • Rear USB for Music Playback • Component Video Switching (2 Inputs and 1 Output) • Pure Audio and Pure Direct Modes • Supports 4:4:4 Color Space and 21:9 Cinema Aspect • Overlaid On-Screen Display via HDMI • Whole House Mode Function • 40 AM/FM Random Presets • Tone Controls for All Channels • Assignable 12 V Trigger Out and RS 232 Terminal • Simple Remote Control



- Custom Capacitors and Transformer for Hi-Current Ultra-Low-Frequency Reproduction • Custom Non-Phase-Shift Amplifier Circuitry • Bi-Amping Capability for Front Channels • DTS Neural:X™ Upmixes Standard 5.1 and 7.1 Formats to 3D Sound • 7 Analog and 5 Digital Audio Inputs • Rear USB for Music Playback • Component Video Switching (2 Inputs and 1 Output) • Transparent High-Grade Speaker Posts • Tone Controls for All Channels • Pure Audio and Pure Direct Modes • HDMI Supports 4:4:4 Color Space and 21:9 Cinema Aspect • Overlaid On-Screen Display via HDMI • Whole House Mode Function • 40 AM/FM Random Presets • Assignable 12 V Trigger Out and RS 232 Terminal • Simple Remote Control





## TX-RZ1100

9.2-Channel Network A/V Receiver

BLACK SILVER



New for 2016



Select2™ Plus  
320 W/Ch (6 Ω, 1 kHz, 10%, 1 Channel Driven, JEITA)  
200 W/Ch (6 Ω, 1 kHz, 1%, IEC)

9.2

11.2 Multichannel

✓\*1

✓

✓

✓

✓

✓

Dolby Atmos®, DTS:X™

✓

✓

✓

✓

✓

✓

✓

7 + 1 (Front) / 1 / 1

✓

✓

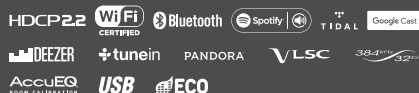
Powered Zone 2, Powered Zone 3, Zone 2 Pre/Line Out,  
Zone 3 Pre/Line Out

✓

435 x 201 x 453 mm

19.7 kg

- Custom Capacitors and Transformer for Hi-Current Ultra-Low-Frequency Reproduction • Custom Non-Phase-Shift Amplifier Circuitry • Bi-Amping Capability for Front Channels
- DTS Neural:X™ Upmixes Standard 5.1 and 7.1 Formats to 3D Sound
- 7 Analog and 5 Digital Audio Inputs • Rear USB for Music Playback
- Component Video Switching (2 Inputs and 1 Output) • Banana-plug-compatible Speaker Posts • Tone Controls for All Channels
- HDMI Supports 4:4:4 Color Space and 21:9 Cinema Aspect
- Overlaid On-Screen Display via HDMI • Whole House Mode Function
- 40 AM/FM Random Presets • Assignable 12 V Trigger Out and RS 232 Terminal • Simple Remote Control



## TX-RZ810

7.2-Channel Network A/V Receiver

BLACK SILVER



New for 2016



Select2™ Plus  
215 W/Ch (6 Ω, 1 kHz, 10%, 1 Channel Driven, JEITA)  
180 W/Ch (6 Ω, 1 kHz, 1%, IEC)

7.2

7.2 Multichannel

✓\*2

✓

✓

✓

✓

Dolby Atmos®, DTS:X™

✓

✓

✓

✓

✓

✓

7 + 1 (Front) / 1 / 1

✓

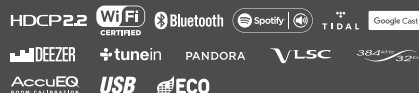
Powered Zone 2, Zone 2 Pre/Line Out,  
Zone 3 Pre/Line Out

✓

435 x 201.5 x 395 mm

14.0 kg

- Custom Capacitors and Custom Massive EI Transformer
- Non-Phase-Shift Amplification Circuitry • Copper Bus Bars to Reduce Signal Interference • Bi-Amping Capability for Front Channels
- DTS Neural:X™ Upmixes Standard 5.1 and 7.1 Formats to 3D Sound
- 7 Analog and 3 Digital Audio Inputs • Rear USB for Music Playback
- Component Video Switching (2 Inputs) • Transparent High-Grade Speaker Posts • Tone Controls for All Channels • HDMI Supports 4:4:4 Color Space and 21:9 Cinema Aspect • Overlaid On-Screen Display via HDMI • 40 AM/FM Random Presets • Assignable 12 V Trigger Out and RS 232 Terminal • Simple Remote Control

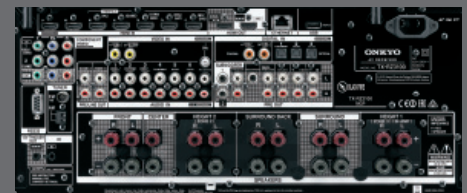


FRONT OPEN  
AND  
REAR PANEL

## PR-RZ5100



## TX-RZ3100



## TX-RZ1100



## TX-RZ810



## A/V RECEIVERS

### TX-RZ710

7.2-Channel Network A/V Receiver

BLACK SILVER



New for 2016



### TX-NR656

7.2-Channel Network A/V Receiver

BLACK SILVER



New for 2016



THX  
SELECT 2 PLUS

dts

DOLBY  
ATMOS

Hi-Res  
AUDIO

Fire  
Connect  
Powered by  
BLACKFIRE

Dynamic Audio  
Amplification

ONKYO



dts

DOLBY  
ATMOS

Hi-Res  
AUDIO

Fire  
Connect  
Powered by  
BLACKFIRE

Dynamic Audio  
Amplification

ONKYO



THX® Certified

Power Output (Watts per Channel)

Amplifier Channels

Pre Out Channels

HDMI® 4K/60 Hz, HDCP 2.2, HDR, BT.2020

Dynamic Audio Amplification

FireConnect™ Multi-Room Wireless Technology

VLSC™ Noise-free Signal Processing

Separated Digital/Analog Circuitry

High-Quality 384 kHz/32-bit Audio DAC

Surround Sound Formats

AccuEQ Room Calibration with AccuReflex Technology

Google Cast™, AirPlay®, and Wi-Fi®

Streaming via Bluetooth® Technology

Internet Radio and Music Streaming\*4

192 kHz/24-bit PCM and DSD 5.6 MHz Playback

Music Optimizer Also for Bluetooth Audio

Music Streaming and Control App

HDMI Inputs / Main Output / Zone 2 Output

USB Audio Playback from Flash Memory

Phono Input

Multi-Zone Playback

HDMI Passthrough on Hybrid Standby

Dimensions (W x H x D)

Weight

Others

Select2™ Plus

185 W/Ch (6 Ω, 1 kHz, 10%, 1 Channel Driven, JEITA)  
175 W/Ch (6 Ω, 1 kHz, 1%, IEC)

7.2

0.2

✓\*1

✓

✓

✓

✓

✓

✓

Dolby Atmos®, DTS:X™

✓

✓

✓

✓

✓

✓

✓

7 + 1 (Front) / 1 / 1

✓

✓

Powered Zone 2, Zone 2 Pre/Line Out,  
Zone 3 Pre/Line Out

✓

435 x 177 x 378 mm

10.5 kg

- Custom Capacitors and Custom Massive EI Transformer
- Non-Phase-Shift Amplification Circuitry • Rigid Insulator Feet
- Bi-Amping Capability for Front Channels • DTS Neural:X™ Upmixes Standard 5.1 and 7.1 Formats to 3D Sound • 8 Analog and 3 Digital Audio Inputs • Detachable AC Power Cable • Component Video Switching (2 Inputs) • High-Grade Speaker Posts • Tone Controls for All Channels • HDMI Supports 4:4:4 Color Space and 21:9 Cinema Aspect • Overlaid On-Screen Display via HDMI • 40 AM/FM Random Presets • Assignable 12 V Trigger Out and RS 232 Terminal
- Simple Remote Control

HDCP2.2 Wi-Fi CERTIFIED Bluetooth Spotify TIDAL Google Cast  
DEEZER +tunein PANDORA VLSC 384kHz/32bit  
AccuEQ ROOM CALIBRATION USB ECO

175 W/Ch (6 Ω, 1 kHz, 10%, 1 Channel Driven, JEITA)  
160 W/Ch (6 Ω, 1 kHz, 1%, IEC)

7.2

0.2

✓\*2

✓

✓

✓

✓

✓

✓

Dolby Atmos®, DTS:X™

✓

✓

✓

✓

✓

✓

7+1 / 1 / 1 (Sub Out Only)

✓

✓

Powered Zone 2, Zone 2 Line Out

✓

435 x 173.5 x 378 mm

10.0 kg

- H.C.P.S. (High Current Power Supply) Massive High Power Transformer • Hi-Current Amp Design to Effectively Drive the Speakers
- Non-Phase Shift Amp Circuits for Realistic Imaging • Optimum Gain Volume Circuitry • PLL (Phase Locked Loop) Jitter-Cleaning Circuit Technology for S/PDIF Audio • 8 Analog Audio Inputs and 3 Digital Audio Inputs • Bi-Amping Capability for Front Channels
- Theater-Dimensional Virtual Surround Function • 40 AM/FM Random Presets • Simple Remote Control

HDCP2.2 Wi-Fi CERTIFIED Bluetooth Spotify TIDAL Google Cast  
DEEZER +tunein PANDORA VLSC 384kHz/32bit  
AccuEQ ROOM CALIBRATION USB ECO



## TX-NR555

7.2-Channel Network A/V Receiver

BLACK SILVER



New for 2016



## TX-SR444

7.1-Channel A/V Receiver

BLACK SILVER



160 W/Ch (6 Ω, 1 kHz, 10%, 1 Channel Driven, JEITA)  
130 W/Ch (6 Ω, 1 kHz, 1%, IEC)

7.2

0.2

✓\*3

✓

✓

✓

✓

✓

Dolby Atmos®, DTS:X™

✓

✓

✓

✓

✓

✓

6 / 1

✓

✓

Powered Zone 2, Zone 2 Line Out

✓

435 x 173.5 x 378 mm

9.6 kg

- H.C.P.S. (High Current Power Supply) Massive High Power Transformer • Hi-Current Amp Design to Effectively Drive the Speakers
- Non-Phase Shift Amp Circuits for Realistic Imaging • Optimum Gain Volume Circuitry • PLL (Phase Locked Loop) Jitter-Cleaning Circuit Technology for S/PDIF Audio • 8 Analog Audio Inputs and 3 Digital Audio Inputs • Bi-Amping Capability for Front Channels
- Theater-Dimensional Virtual Surround Function • 40 AM/FM Random Presets • Simple Remote Control

120 W/Ch (6 Ω, 1 kHz, 1%, 1 Channel Driven, JEITA)  
100 W/Ch (6 Ω, 1 kHz, 1%, IEC)

7.1

0.1

✓\*3

Dolby Atmos®, Dolby® TrueHD, DTS-HD Master Audio™

✓\*5

✓

✓

4 / 1

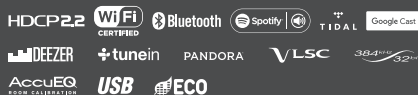
Zone B Output

✓

435 x 160 x 328 mm

7.8 kg

- H.C.P.S. (High Current Power Supply) Massive High Power Transformer • Discrete Output Stage Circuitry • Theater-Dimensional Virtual Surround Function • 4 DSP Modes for Gaming
- STRM Box Port (Rear) for Powering Media Streaming Sticks • 7 Analog Audio Inputs and 3 Digital Audio Inputs • Zone B Output for Distributed Audio • 40 AM/FM Random Presets • Analog Video Upconversion to HDMI • Easy Configuration Rear Panel
- Full-Function RI Remote Control



## REAR PANEL

### TX-RZ710



### TX-NR656



### TX-NR555



### TX-SR444



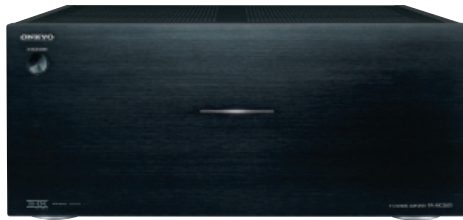
## PA-MC5501

9-Channel Amplifier



BLACK

- 280 W/Ch (6 Ω, 1 kHz, 1 Channel Driven, JEITA) • THX® Ultra2™ Certified
- Push-Pull Amplification Design with Three-Stage Inverted Darlington Circuitry • Massive Toroidal Transformer • Two Large, Customized 22,000 μF Capacitors for Effective Power Supply
- Large, Custom-Designed Power Transistors • Flat, High-Rigidity, Anti-Resonant Chassis
- Gold-Plated XLR Inputs and Speaker Posts



WAT

## TX-SR252

5.1-Channel A/V Receiver



BLACK

- 120 W/Ch (6 Ω, 1 kHz, 1 Channel Driven, JEITA) • 4K/60 Hz, 4:4:4 Color Space, and HDCP 2.2-Capable HDMI® Terminals for Ultra-HD Entertainment (4 In / 1 Out) • Dolby® TrueHD and DTS-HD Master Audio™ Decoding • Discrete Output Stage Circuitry • 192 kHz/24-bit DAC for All Channels • SACD Playback via HDMI (2.8 MHz, 2 Channels) • USB Port (Front) for Music Playback via Flash Drive • Easily Configured Rear Panel • 3 Analog Audio Inputs and 2 Digital Audio Inputs



HDCP 2.2

DTS-HD

DOLBY TRUEHD

1024x768

USB

## CORE TECHNOLOGIES

## Now with Google Cast™, AirPlay®, and Wi-Fi®

Cast almost any audio from mobile and PC apps to selected Onkyo components with zero stress using Google Cast or AirPlay over Wi-Fi.

Google Cast



## Bluetooth® Wireless Technology

Convenient and stable, Bluetooth technology is a popular way to cast audio wirelessly. We include an optimized spec on many of our 2016 models.



## Internet Audio Entertainment On Board

Popular streaming services are baked into the GUI of selected components. Listen to any music in the world whenever you want using a smartphone to select content.



## Remote Apps for iOS and Android™

Onkyo remote apps, including an all-new Onkyo Controller application for selected products, provide effortless control of supported network components across the home. Access to streaming and internet radio services, mobile audio, and network-attached music libraries is instantly available using clean and intuitive interfaces.



## 70 Years of Audio Excellence

Onkyo's reputation for delivering emotion-filled sound is maintained by our proven amplification philosophy: high current for full-spectrum dynamics; noise-free processing to give digital music analog soul; and phase-management to preserve the rhythm and atmosphere of your favorite records.

## THX® Theater-Reference Sound

THX® guarantees theater-reference volume and sound quality in your home. Rigorously tested and THX®-certified Onkyo A/V products deliver soundtracks exactly as the film director intended.



## Premium 32-bit DACs for Hi-Res Audio

Selected products employ top quality AKM DACs featuring optimized output filters to reduce noise and preserve high bandwidth. The technology reveals hidden details in DSD and 192/24 Hi-Res Audio files.



## AccuEQ with AccuReflex

AccuEQ calibrates speaker systems to suit unique spaces, eliminating standing waves for greater accuracy and cohesion. In object-based home theaters, AccuReflex aligns phase timing to ensure sound reaches the audience simultaneously, improving clarity.



## DTS:X™ and Dolby Atmos®

Because audio elements in Dolby Atmos® and DTS:X™ soundtracks are not tied to any specific channel, sound is free to move from speaker to speaker above and around the audience, immersing you in a more convincing film experience. Included DTS Neural:X™ upmixes standard surround formats for 3D playback through speaker systems set up for object-based audio.



## Ready for Next-Generation TVs with HDMI®

HDMI terminals pass 4K/60p video with HDR, 4:4:4 color space, and BT.2020 through to the latest UltraHD displays. HDCP 2.2 compliance unlocks the latest in Hollywood content now and in the future.



HDCP 2.2 / HDR

## Single-Cable TV Connection

All A/V receivers featuring legacy connections for game consoles and VCRs can upscale analog video to 1080p, sending signals to the TV via a single cable. Other lifestyle A/V products upscale 1080p video to UltraHD.

## Housewide Audio Distribution

Together with unpowered outputs, selected A/V receivers have multiple DACs and dedicated powered outputs to share digital or analog audio (including HDMI) to speakers in other rooms. Wherever you go, sound follows with easy smartphone control.

## Share Video in Two Zones

Zone 2 HDMI distributes 4K and 1080p content from your home theater to a second TV with smartphone control of entertainment in both rooms.

## Economical Standby and HDMI Passthrough

Hybrid Standby allows most network products to power on and commence playback when a signal is detected. Further, HDMI passthrough lets you use your TV and players with the receiver switched off.



## New Generation Network Audio

Products displaying this icon simplify access to network audio, with app-based streaming via Google Cast™, multi-room audio distribution, and intuitive operation using Onkyo Controller.



## MULTI-ROOM AUDIO MADE EASY

## FireConnect™ Multi-room Wireless Audio

Mirror any audio source\* (analog, TV, or network) from home theater to optional FireConnect™-enabled wireless speakers\* with convenient control via smartphone application. With this future-ready technology, Onkyo puts housewide sound within reach.

\* Available sources may vary depending on model. FireConnect™ is a wireless technology of Blackfire Research Corp., USA. Onkyo cannot guarantee correct operation with FireConnect™-compatible products made by other brands. Optional wireless speakers are scheduled for release. FireConnect™ is enabled via firmware update.

## Dedicated DACs for AVR Audio Distribution

With dedicated DACs for multi-zone audio, selected A/V receivers can distribute analog and digital audio (including S/PDIF, HDMI®, and Network) to stereo speakers in up to three rooms (Main Room / Zone 2 / Zone 3) via powered speaker outputs. Play the same source or different sources in each zone with smartphone control.

## Products with FireConnect™

FireConnect™ is enabled on a selection of stereo and multichannel audio-video and Hi-Fi components, including:

- Network A/V Receivers (2016 Models)
- Home Theater Packages (HT-S7805, HT-S7800)
- Lifestyle Network A/V Receivers (LS5200, TX-L50, TX-L20D)
- Network Hi-Fi Components (NS-6170, NS-6130)
- Network Hi-Fi Components and Packages (CS-N1075, R-N855)



FireConnect™ by Blackfire Research Corp. is a stable wireless protocol that mirrors any audio source connected to the receiver—from vinyl to streaming audio.



## HT-S9700THX

7.1-Channel Network A/V Receiver/Speaker Package



### HT-R993 7.2-Channel Network A/V Receiver

- 175 W/Ch (6  $\Omega$ , 1 kHz, 1 Channel Driven, JEITA) • THX® I/S Plus™ Certified for Theater-Reference Sound • Supports Dolby Atmos® Format for Exciting Multidimensional Sound • 4K/60 Hz-Capable HDMI® Terminals for UltraHD Entertainment\*1 • Supports HDCP 2.2 for Future 4K/Full HD Video Streaming and Broadcast\*2 • 7 HDMI Inputs (1 Front / 6 Rear) and 2 Outputs • HDMI Video Upscaling to 4K with Qdeo™ Processing Technology by Marvell • Built-in Wi-Fi®-Certified Wireless LAN and Bluetooth Version 2.1 + EDR with Advanced Music Optimizer • AccuEQ Room Calibration with Mic for Clear and Balanced Sound • Powered Zone 2 and Zone 2 Line-Out for Distributed Audio Playback in Another Room • WHD: 435 x 173.5 x 329 mm • 10.0 kg

### HTP-993 7.1-Channel Home Theater Speaker System

**SKF-980** 2-Way Acoustic-Suspension Front Speakers • WHD: 158 x 433 x 199 mm • 5.3 kg  
**SKC-980** 2-Way Acoustic-Suspension Center Speaker • WHD: 433 x 158 x 199 mm • 5.3 kg  
**SKR-980/SKB-980** 2-Way Acoustic-Suspension Surround/Surround Back Speakers • WHD: 200 x 275 x 169 mm • 3.5 kg  
**SKW-938** Acoustic-Suspension Powered Subwoofer • WHD: 380 x 444 x 429 mm • 15.5 kg

## HT-S7805

5.1.2-Channel Network A/V Receiver/Speaker Package

New for 2016



BLACK

### HT-R695 7.2-Channel Network A/V Receiver

- 175 W/Ch (6  $\Omega$ , 1 kHz, 10% THD, 1 Channel Driven, JEITA) • DTS:X™ Sound Format Ready • Supports Dolby Atmos® for Exciting Multidimensional Sound • 4K/60 Hz-capable 4:4:4 HDMI® Terminals for UltraHD Entertainment\*3 • Supports HDCP 2.2 and HDR for 4K/Full HD Video Streaming and Broadcast\*4 • 8 HDMI Inputs (1 Front / 7 Rear) and 2 Outputs • Built-in Wi-Fi®-Certified Wireless LAN and Bluetooth® Version 2.1 + EDR with Advanced Music Optimizer • FireConnect™ Multi-Room Wireless Technology • Dynamic Audio Amplification • AccuEQ Room Calibration with AccuReflex Technology • Internet Radio and Music Streaming Subscription Services Included • Onkyo Controller App for iOS and Android™\*5 • Powered Zone 2 and Zone 2 Line Out for Distributed Analog/Digital Audio Playback in Another Room • WHD: 435 x 173.5 x 378 mm • 10.0 kg

### HTP-678 5.1.2-Channel Home Theater Speaker System

**SKF-693** Dolby Atmos-enabled 2-Way Bass Reflex Front Speakers/Full-Range Acoustic-Suspension Height Speakers • WHD: 155 x 467 x 183 mm • 3.6 kg  
**SKC-591N** 2-Way Bass Reflex Center Speaker • WHD: 420 x 115 x 119 mm • 2.4 kg  
**SKR-590** Full-Range Acoustic-Suspension Surround Speakers • WHD: 115 x 230 x 96 mm • 1.0 kg  
**SKW-658** Bass Reflex Powered Subwoofer • WHD: 230 x 425 x 410 mm • 7.7 kg



## HT-S5805

5.1.2-Channel Dolby Atmos® Home Theater Package



BLACK

### HT-R494 7.1-Channel A/V Receiver

- 100 W/Ch (6  $\Omega$ , 1 kHz, 1% THD, 1 Channel Driven, JEITA) • Supports Dolby Atmos® up to 5.1.2 Channels • 4K/60 Hz-Capable HDMI® Terminals with 4:4:4 Color Space for UltraHD Entertainment (4 In / 1 Out) • Bluetooth Version 2.1 + EDR Capability (Compatible Profile: A2DP v1.2, AVRCP v1.3) • Advanced Music Optimizer to Improve Compressed Digital Audio Quality (Bluetooth Audio Included) • Phase-Matching Bass Boost for Deep Bass and Clear Mid-Range • AccuEQ Room Acoustic Calibration • Pure Driving Power from Discrete Amp Technology • STRM Port (Rear) for Powering Media Streaming Sticks • Simple Rear Panel Layout for Easy Connection • WHD: 435 x 160 x 328 mm • 8.0 kg

### HTP-588 5.1.2-Channel Home Theater Speaker System

**SKF-594** 2-Way Bass Reflex Front Speakers/Full-Range Acoustic-Suspension Height Speakers • WHD: 155 x 467 x 183 mm • 3.6 kg  
**SKC-594** 2-Way Bass Reflex Center Speaker • WHD: 409 x 115 x 121 mm • 2.2 kg  
**SKR-594** Full-Range Acoustic-Suspension Surround Speakers • WHD: 115 x 230 x 96 mm • 1.0 kg  
**SKW-658** Bass Reflex Powered Subwoofer • WHD: 230 x 425 x 410 mm • 7.7 kg



BLACK



## HT-S7800

5.1.2-Channel Network A/V Receiver/Speaker Package

New for 2016



BLACK

### HT-R695 7.2-Channel Network A/V Receiver

- 175 W/Ch (6  $\Omega$ , 1 kHz, 10% THD, 1 Channel Driven, JEITA) • DTS:X™ Sound Format Ready • Supports Dolby Atmos® for Exciting Multidimensional Sound • 4K/60 Hz-capable 4:4:4 HDMI® Terminals for UltraHD Entertainment\*3 • Supports HDCP 2.2 and HDR for 4K/Full HD Video Streaming and Broadcast\*4 • 8 HDMI Inputs (1 Front / 7 Rear) and 2 Outputs • Built-in Wi-Fi®-Certified Wireless LAN and Bluetooth® Version 2.1 + EDR with Advanced Music Optimizer • FireConnect™ Multi-Room Wireless Technology • Dynamic Audio Amplification • AccuEQ Room Calibration with AccuReflex Technology • Internet Radio and Music Streaming Subscription Services Included • Onkyo Controller App for iOS and Android™\*5 • Powered Zone 2 and Zone 2 Line Out for Distributed Analog/Digital Audio Playback in Another Room • WHD: 435 x 173.5 x 378 mm • 10.0 kg

### HTP-693 5.1.2-Channel Home Theater Speaker System

**SKF-693** Dolby Atmos-enabled 2-Way Bass Reflex Front Speakers/Full-Range Acoustic-Suspension Height Speakers • WHD: 155 x 467 x 183 mm • 3.6 kg  
**SKC-591N** 2-Way Bass Reflex Center Speaker • WHD: 420 x 115 x 119 mm • 2.4 kg  
**SKR-590** Full-Range Acoustic-Suspension Surround Speakers • WHD: 115 x 230 x 96 mm • 1.0 kg  
**SKW-591** Bass Reflex Powered Subwoofer • WHD: 317.5 x 463 x 398 mm • 9.6 kg



## HT-S3800

5.1-Channel Home Theater Receiver/Speaker Package

New for 2016



BLACK

### HT-R395 5.1-Channel Home Theater Receiver

- 100 W/Ch (6  $\Omega$ , 1 kHz, 0.7% THD, 1 Channel Driven) • 4K/60 Hz-capable HDMI® 4 Input / 1 Output (HDCP 2.2 / HDR) • Bluetooth® Audio Streaming • USB Port (Front) for Music Playback via Flash Drive • 192 kHz/24-bit DAC for All Channels • SACD Playback via HDMI (2.8 MHz, 2 Channels) • Discrete Output Stage Circuitry • WHD: 435 x 168 x 326.5 mm • 7.7 kg

### HTP-395 5.1-Channel Home Theater Speaker System

**SKF-395** Full-Range Acoustic-Suspension Front Speakers • WHD: 100 x 140 x 95 mm • 0.6 kg  
**SKC-395** Full-Range Acoustic-Suspension Center Speaker • WHD: 240 x 95 x 95 mm • 0.7 kg  
**SKR-395** Full-Range Acoustic-Suspension Surround Speakers • WHD: 100 x 140 x 95 mm • 0.6 kg  
**SKW-395** Bass Reflex Subwoofer • WHD: 230 x 418 x 358 mm • 5.3 kg



\*1 4K/60 Hz video is supported on HDMI inputs 1/2/3/4, the frontside input, Main Out, and Sub Out. \*2 HDCP 2.2 is supported on HDMI Input 3 and Main Out only. \*3 6G video is supported on HDMI inputs 1/2/3, Main Out, and Sub Out. \*4 HDCP 2.2 is supported on HDMI inputs 1/2/3, Main Out, and Sub Out. \*5 iOS devices require iOS 8.0 or later; Android devices require Android 4.0.3 or later.





## D-509

Speaker System



BLACK

### D-509E 3-Way Bass Reflex Speakers

- 13 cm A-OMF Monocoque Woofer x 2 • 13 cm N-OMF Mid-Range Driver • 3 cm Ring Tweeter
- Bi-Wiring Connection Capability • Piano-Black Finish • Gold-Plated, Machined Banana-Plug Compatible Terminals • Detachable Anti-Vibration Spike Feet x 4
- WHD: 275 x 991 x 370 mm • 16.4 kg

### D-509C 2-Way Acoustic-Suspension Center Speaker

- 13 cm N-OMF Woofer x 2 • 3 cm Ring Tweeter • Piano-Black Finish • Gold-Plated, Machined Banana-Plug Compatible Terminals • WHD: 500 x 164 x 176 mm • 5.9 kg

### D-509M 2-Way Acoustic-Suspension Surround Speakers

- 13 cm N-OMF Woofer • 3 cm Ring Tweeter • Piano-Black Finish • Gold-Plated, Machined Banana-Plug Compatible Terminals • WHD: 164 x 280 x 187 mm • 3.5 kg

## SKF-4800

Front Speakers



BLACK

- 16 cm Cone Woofer x 2
- 2.5 cm Soft-Dome Tweeter
- Banana-Plug-Compatible Speaker Posts
- Woofer Equalizer Enables Fast and Accurate Response
- MDF Stabilizer to Minimize Vibration
- Stylish Floor-Standing Design
- Impedance: 6  $\Omega$
- Max. Input Power: 130 W
- Frequency Response: 55 Hz–35 kHz
- WHD: 295 x 1024 x 305 mm
- 13.0 kg



## SKS-4800 Center/Surround Speaker Package



BLACK

### SKC-4800 2-Way Bass Reflex Center Speaker

- 8 cm Cone Woofer x 2 • 2.5 cm Balanced-Dome Tweeter • Magnetically Shielded
- Impedance: 6  $\Omega$  • Max. Input Power: 130 W
- Frequency Response: 65 Hz–50 kHz
- WHD: 372 x 125 x 110 mm • 2.3 kg

### SKR-4800 Full-Range Acoustic-Suspension Surround Speakers

- 8 cm Cone • Wall-Mounting Capability
- Impedance: 6  $\Omega$  • Max. Input Power: 60 W
- Frequency Response: 80 Hz–18 kHz
- WHD: 117 x 180 x 100 mm • 0.9 kg



## SKW-208

Bass Reflex Powered Subwoofer



BLACK

- Rated Output Power: 120 W Minimum Continuous Power (4  $\Omega$ , 100 Hz, Maximum 1%) • 25 cm Cone • Adjustable Crossover Frequency (50 Hz–200 Hz) • Phase Switch (0° or 180°)
- Output-Level Control • Line Input • Frequency Response: 25 Hz–200 Hz • WHD: 275 x 507 x 411 mm • 11.6 kg

## SKS-HT978THX

5.1-Channel Home Theater Speaker System



BLACK

### SKF-980 2-Way Acoustic-Suspension Front Speakers

- 12 cm A-OMF Diaphragm Woofer x 2 • 2.5 cm Soft-Dome Tweeter • Max. Input Power: 130 W
- Magnetically Shielded • WHD: 158 x 433 x 199 mm • 5.3 kg

### SKC-980 2-Way Acoustic-Suspension Center Speaker

- 12 cm A-OMF Diaphragm Woofer x 2 • 2.5 cm Soft-Dome Tweeter • Max. Input Power: 130 W
- Magnetically Shielded • WHD: 433 x 158 x 199 mm • 5.3 kg

### SKR-980 2-Way Acoustic-Suspension Surround Speakers

- 13 cm A-OMF Diaphragm Woofer • 2.5 cm Soft-Dome Tweeter • Max. Input Power: 130 W
- WHD: 200 x 275 x 169 mm • 3.5 kg

*All speakers feature an impedance of 8  $\Omega$ , color-coded speaker terminals and cable, and wall-mounting capability.*

### SKW-938 Acoustic-Suspension Powered Subwoofer

- 30 cm Cone • Rated Output Power: 125 W (Minimum Continuous Power; 6  $\Omega$ , 100 Hz, 1% IEC)
- Output Level Control and Auto Standby Function • WHD: 380 x 444 x 429 mm • 15.5 kg



THX A-OMF

## SKS-HT993THX

7.1-Channel Home Theater Speaker System

BLACK

### SKF-980 2-Way Acoustic-Suspension Front Speakers

- 12 cm A-OMF Diaphragm Woofer x 2 • 2.5 cm Soft-Dome Tweeter • Max. Input Power: 130 W
- Magnetically Shielded • WHD: 158 x 433 x 199 mm • 5.3 kg

### SKC-980 2-Way Acoustic-Suspension Center Speaker

- 12 cm A-OMF Diaphragm Woofer x 2 • 2.5 cm Soft-Dome Tweeter • Max. Input Power: 130 W
- Magnetically Shielded • WHD: 433 x 158 x 199 mm • 5.3 kg

### SKR-980/SKB-980

#### 2-Way Acoustic-Suspension Surround/Surround Back Speakers

- 13 cm A-OMF Diaphragm Woofer • 2.5 cm Soft-Dome Tweeter • Max. Input Power: 130 W
- WHD: 200 x 275 x 169 mm • 3.5 kg

*All speakers feature an impedance of 8  $\Omega$ , color-coded speaker terminals and cable, and wall-mounting capability.*

### SKW-938 Acoustic-Suspension Powered Subwoofer

- 30 cm Cone • Rated Output Power: 125 W (Minimum Continuous Power; 6  $\Omega$ , 100 Hz, 1% IEC)
- Output Level Control and Auto Standby Function • WHD: 380 x 444 x 429 mm • 15.5 kg



THX A-OMF





## SKS-HT728

5.1-Channel Home Theater Speaker System



BLACK

### SKF-770 Dual-Drive 2-Way Front Speakers

- 8 cm Cone Woofer x 2 • 2.5 cm Balanced-Dome Tweeter
- WHD: 262 x 1050 x 262 mm • 5.2 kg

### SKC-770 Dual-Drive 2-Way Center Speaker

- 8 cm Cone Woofer x 2 • 2.5 cm Balanced-Dome Tweeter
- WHD: 430 x 115 x 121 mm • 2.2 kg

### SKR-770 Full-Range Surround Speakers

- 8 cm Cone • WHD: 115 x 230 x 96 mm • 1.0 kg

All speakers feature an impedance of 6 Ω, maximum input power of 130 W, and all except the front speakers are wall-mountable.

### SKW-770\* Bass Reflex Powered Subwoofer

- 25 cm Cone • Rated Output Power: 120 W (Minimum Continuous Power, 4 Ω, 100 Hz, 1%, IEC)
- Downfiring • WHD: 275 x 507 x 411 mm • 11.6 kg



\* SKW-770 also sold separately.

## SKS-HT588

5.1.2-Channel Home Theater Speaker System



BLACK

### SKF-2800

Dolby Atmos®-Enabled Integrated Front & Height Speakers

- 12 cm Cone Woofer • 2.5 cm Balanced-Dome Tweeter • 8 cm Cone
- (Separately Powered By Height Channel) • WHD: 155 x 467 x 183 mm • 3.7 kg

### SKC-594 2-Way Bass Reflex Center Speaker

- 8 cm Cone Woofer x 2 • 2.5 cm Balanced-Dome Tweeter • WHD: 409 x 115 x 121 mm • 2.2 kg

### SKR-594 Full-Range Acoustic-Suspension Surround Speakers

- 8 cm Cone • WHD: 115 x 230 x 96 mm • 1.0 kg

All speakers feature an impedance of 6 Ω, maximum input power of 130 W, and wall-mounting capability.

### SKW-658 Bass Reflex Powered Subwoofer

- 20 cm Cone • Rated Output Power: 80 W (Minimum Continuous Power, 4 Ω, 100 Hz, 1%, IEC)
- Downfiring • WHD: 230 x 425 x 410 mm • 7.7 kg



## SKS-HT528

5.1-Channel Home Theater Speaker System



BLACK

### SKF-528 Full-Range Bass Reflex Front Speakers

- 8 cm Cone Woofer • Max. Input Power: 120 W • Gloss-Finished • Magnetically Shielded
- WHD: 101 x 175 x 116 mm • 0.7 kg

### SKC-528 Full-Range Bass Reflex Center Speaker

- 8 cm Cone Woofer • Max. Input Power: 120 W • Gloss-Finished • Magnetically Shielded
- WHD: 273 x 101 x 106 mm • 1.0 kg

### SKR-528 Full-Range Bass Reflex Surround Speakers

- 8 cm Cone Woofer • Max. Input Power: 120 W • Gloss-Finished • Magnetically Shielded
- WHD: 101 x 175 x 116 mm • 0.7 kg

All speakers feature an impedance of 6 Ω, color-coded speaker terminals and cable, and wall-mounting capability.

### SKW-501 Bass Reflex Powered Subwoofer

- 20 cm Cone • Downfiring • Rated Output Power: 80 W (Minimum Continuous Power, 4 Ω, 100 Hz, IEC) • WHD: 230 x 425 x 412 mm • 9.1 kg



## SKH-410

Dolby Atmos®-Enabled Speaker System



BLACK

- Dedicated Dolby Atmos®-Enabled Speakers • Dolby Atmos-Certified Special Network Inside • Position on an Existing Front/Surround Speaker (Such as Onkyo SKF-4800) or Wall-Mount to Enable Dolby Atmos Height Effects • 8 cm Cone Transducer • Wood Cabinet Construction • High-Grade Cloth Grilles • Quality Black Hairline Finish • Rated Input Power: 25 W • Maximum Input Power: 100 W • Includes Rubber Feet, 3 m Speaker Cables (x2), and Wall-Mount Kit
- WHD: 120 x 155 x 153 mm • 1.2 kg



Dolby Atmos-enabled SKH-410 speakers in a 7.1.2-channel home theater

## BD-SP809

Blu-ray Disc Player



BLACK SILVER

- THX® Certified • 2 HDMI® Outputs • 1080p Upscaling of Standard Video Sources with Qdeo™ Technology • Precision Clock for Optimal Timing of Digital Signals • Ethernet Port for BD-Live™, Firmware Updates, and Media Streaming via Home Network • Independent Circuit Blocks for Audio, Digital Video, and Analog Video to Reduce Electromagnetic Interference
- Center-Mounted Drive Mechanism for Optimal Weight Balance



## BD-SP353

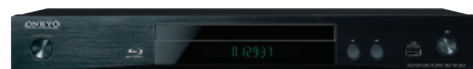
Blu-ray Disc Player

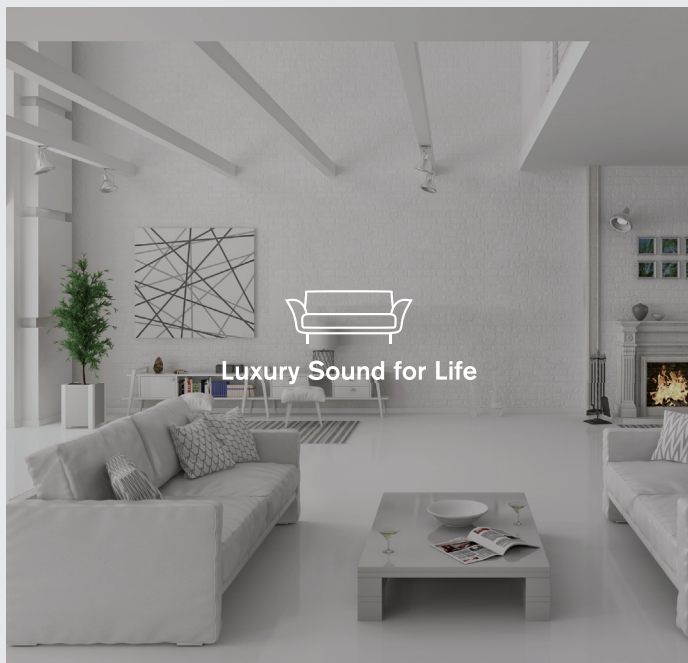
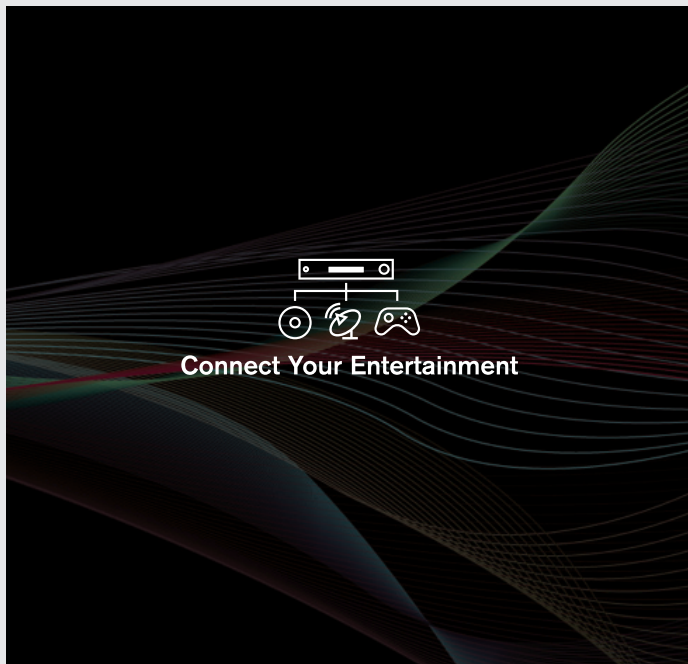
New for 2016



BLACK SILVER

- HDMI® Output Supports 1080p, Deep Color™, x.v.Color™ and CEC • Supports Dolby® TrueHD and DTS-HD Master Audio™ Essential • 1080/24p Video Output for Full HD Movies on Blu-ray Discs
- 1080p Upscaling • Plays AVCHD\*, DivX Plus™ HD (MKV), MP3, and JPEG Formats
- USB Port for Hi-Res Audio Playback (192 kHz/24-bit WAV, FLAC)
- BD-Live™ Functionality for Interactive Content • Digital Audio Output (Optical)
- Firmware Updates (via USB) \*Encoded on DVD-R/RW only.





BRING GOOD SOUND BACK TO LIFE

## LS5200

2.1-Channel Home Cinema System

WHITE BLACK

New for  
2016

## TX-L20DWL 2.1-Channel AV Receiver

• 85 W/Ch (4  $\Omega$ , 1 kHz, 1%, 1 Channel Driven, IEC) • Efficient Digital Amplification System with Independent Power Supply and Discrete Output Stages • Wireless Audio Streaming with Google Cast™, AirPlay®, Wi-Fi®, and Spotify® • Bluetooth® Wireless Technology (Version 4.1+LE, Compatibility Profile A2DP 1.2/AVRCP 1.4) • Onkyo Controller App for iOS and Android™\*1 • 4 HDMI® Inputs / 1 Output (4K/60p, HDCP 2.2) • FireConnect™ Wireless Multi-room Capability with Optional Speakers\*2 • WHD: 435 x 70 x 331.5 mm • 4.0 kg

## SKM-648 Acoustic-Suspension Satellite Speakers

• 8.0 cm Cone Woofer • 2.5 cm Balanced-dome Tweeter • Wall-mounting Capability • WHD: 102 x 170 x 105 mm • 1.0 kg

## SKW-B50 Wireless Subwoofer

• Wireless Design for Flexible Positioning • Powered Bass Reflex Design • 16 cm Downfiring Cone • Rated Output Power: 50 W (4  $\Omega$ , 100 Hz, 1% THD, IEC) • WHD: 261 x 337 x 269 mm • 5.8 kg







## LS3200

2.1-Channel Speaker System



WHITE BLACK

### LAP-302 2.1-Channel Control Center

- Digital Amplifier Circuitry to Maintain Clean Audio Signals • Preset Remote Control Code for Most TV Brands with Learning Capability\*1 • Auto Power On/Standby with TV • Features DTS Studio Sound™ Technology for Clear, Room-Filling Sound Reproduction • Voice Mode for Clearer Voice Reproduction • Bluetooth® Wireless Audio Streaming Technology (Version 2.1 + EDR) • 2 Digital Audio Inputs (Optical and Coaxial) • WHD: 187 x 32 x 120 mm • 0.3 kg

### SLM-302 Full-Range Acoustic-Suspension Speakers

- 6.5 cm Cones x 2 • Detachable Speaker Stands for Greater Mounting Flexibility • Wall Mountable • Vertical or Horizontal Orientation • WHD: 169 x 78 x 108 mm (Horizontal), 169 x 111 x 133 mm (Horizontal, with Stand) • 0.7 kg (Without Stand)

### SKW-B50 Wireless Subwoofer

- Wireless Design for Installation Flexibility • Powered Bass Reflex Design • 16 cm Cone • Rated Output Power: 50 W (4 Ω, 100 Hz, 1%, IEC) • Downfiring • WHD: 261 x 337 x 269 mm • 5.8 kg

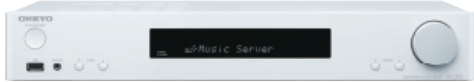


Vertically Mounted

## Envision Cinema



DTS Studio Sound DOLBY DIGITAL Bluetooth



## TX-L50

5.1-Channel Network A/V Receiver



WHITE BLACK

## Envision Series

- 80 W/Ch (4 Ω, 1 kHz, 1%, 1 Channel Driven, IEC) • Efficient Six-Channel Digital Amplification System with Independent Power Supply and Discrete Output Stages • Wireless Audio Streaming with Google Cast™, AirPlay®, Wi-Fi®, Spotify®, and Bluetooth® • 4 HDMI® Inputs / 1 Output (4K/60p, HDCP 2.2) • AccuEQ Room Acoustic Calibration • FireConnect™ Wireless Multi-room Capability with Optional Speakers • Onkyo Controller App for iOS and Android™\*2 • 1080p Video Upscaling to 4K Resolution • Supports 192/24 and DSD Decoding for Hi-Res Audio Playback • WHD: 435 x 70 x 325.5 mm • 4.0 kg



## TX-L20D

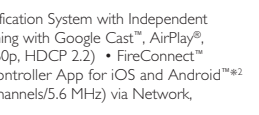
Network Stereo Receiver



WHITE BLACK

## Envision Series

- 85 W/Ch (4 Ω, 1 kHz, 1%, 1 Channel Driven, IEC) • Digital Amplification System with Independent Power Supply and Discrete Output Stages • Wireless Audio Streaming with Google Cast™, AirPlay®, Wi-Fi®, Spotify®, and Bluetooth® • 4 HDMI® Inputs / 1 Output (4K/60p, HDCP 2.2) • FireConnect™ Wireless Multi-room Capability with Optional Speakers • Onkyo Controller App for iOS and Android™\*2 • 1080p Video Upscaling to 4K Resolution • DSD Decoding (2.1-Channels/5.6 MHz) via Network, HDMI, and USB • WHD: 435 x 70 x 331.5 mm • 4.0 kg



\*1 Preprogrammed with IR codes for nine major TV brands, including Funai, LG, Panasonic, Philips, Samsung, Sharp, Sony, Toshiba, and Vizio, with learning capability for other TV brands. \*2 iOS devices require iOS 8.0 or later; Android devices require Android 4.0.3 or later.

## Onkyo Controller for iOS/Android™ Putting You at the Center of a Stress-free Experience

### Free iOS and Android™ Versions

- Audio streaming and internet radio selection and control
- Stream audio files stored on iPhone/iPod touch/iPad
- Select and play audio files via DLNA-compatible server
- General remote control and playback functions
- Volume control function
- Hi-Res Audio playback capability (FLAC, DSD, and Apple Lossless) via Home Media function (selected components only)
- Supports Spotify®, TuneIn, TIDAL, Deezer, and more\*

\* Service availability depends on region. Some services may require a subscription and a firmware update before use.

### Compatible Models

Onkyo Controller is currently compatible with the following models released from April 2016 or later. Note that a firmware update is required before use with all supported products.

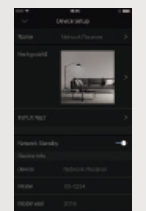
**Hi-Fi Components** NS-6130, NS-6170, R-N855, CS-N1075

**A/V Components** All network A/V receivers released during or after 2016

Note: Onkyo Controller for iOS requires iOS 8.0 or later. Onkyo Controller for Android™ requires Android™ 4.0.3 or later.



Onkyo Controller  
for iOS/Android™



## Engineered for Audio Perfection

## P-3000R

Preamplifier



SILVER BLACK

- DIDRC (Dynamic Intermodulation Distortion Reduction Circuitry) • Separate Digital/Analog Circuitry • Separate Massive Transformers for Digital/Analog Circuitry (Toroidal Transformer for Analog Circuitry) • Separate Anti-Vibration Aluminum Panels • PLL Ultra-Low-Jitter Technology • Separate TI Burr-Brown 192 kHz/32-bit DACs (PCM1795 x 2) • Independent Headphone Amplifier • Discrete Phono Equalizer (MM) • USB Device (C-Media CM6631) for 192 kHz/32-bit HD Audio from PC\* • 5 Digital Inputs (Amphenol AES/EBU, 2 Optical, and 2 Coaxial) and 1 Output (Optical)

\* Playback of PC audio requires dedicated software that can be downloaded from an Onkyo website.



DIDRC 192 kHz/32-bit USB RI

## Experience True Musicality from Compact Disc

## C-7000R

Compact Disc Player



SILVER BLACK

- DIDRC (Dynamic Intermodulation Distortion Reduction Circuitry) • Separate Digital/Analog Circuitry • Separate Massive Transformers for Digital and Analog Circuitry (Toroidal Transformer for Analog Circuitry) • Thermally Regulated High-Precision Clock • Silent Disc Mechanism with Solid Die-Cast Aluminum Tray • Separate Anti-Vibration Aluminum Panels • PLL Ultra-Low-Jitter Technology • Separate TI Burr-Brown 192 kHz/24-bit DACs (PCM1792 x 2) • Pure Analog/Digital Mode • 3 Digital Outputs (Amphenol AES/EBU, Optical, and Coaxial)



DIDRC 192 kHz/24-bit DSD MP3 WMA

## Satisfy Your Desire for Reference Sound

## M-5000R

Power Amplifier



SILVER BLACK

- Max. Power: 170 W/Ch (4  $\Omega$ , 1 kHz, 1%, 2 Channels Driven, IEC) • DIDRC (Dynamic Intermodulation Distortion Reduction Circuitry) • AWRAT (Advanced Wide Range Amplifier Technology) • Quad Push-Pull Amplification Design with Three-Stage Inverted Darlington Circuitry • Symmetrical Layout of L/R Channels • Two Massive Toroidal Transformers with Sub Transformer • Four Large 27,000  $\mu$ F Capacitors • Separate Anti-Vibration Aluminum Panels • Balanced XLR Input for Monaural Amplification in BTL Mode

DIDRC AWRAT 270,000  $\mu$ F

## Elite Integrated Amp Brings Your Music to Life

## A-9000R

Integrated Stereo Amplifier



SILVER BLACK

- 140 W/Ch (4  $\Omega$ , 20 Hz–20 kHz, 0.05%, 2 Channels Driven, IEC) • DIDRC (Dynamic Intermodulation Distortion Reduction Circuitry) • AWRAT (Advanced Wide Range Amplifier Technology) • Quad Push-Pull Amplification Design with Three-Stage Inverted Darlington Circuitry • 192 kHz/24-bit Hi-Res Audio Playback via USB (Asynchronous Transfer) • Separate Wolfson® 192 kHz/24-bit DACs (WM8742 x 2) • Four Large 18,000  $\mu$ F Capacitors • Four Amplifier Modes (Integrated Amp, Power Amp, Pre-Amp, Split Pre-Amp/Power Amp) • Discrete Phono Equalizer (MM/MC) • 4 Digital Inputs (1 Amphenol AES/EBU, 1 Optical, and 2 Coaxial)

DIDRC AWRAT 18,000  $\mu$ F 192 kHz/24-bit USB RI

## A-9070

Integrated Stereo Amplifier



SILVER BLACK

- 140 W/Ch (4  $\Omega$ , 20 Hz–20 kHz, 0.05%, 2 Channels Driven, IEC) • DIDRC (Dynamic Intermodulation Distortion Reduction Circuitry) • AWRAT (Advanced Wide Range Amplifier Technology) • Parallel Push-Pull Amplification Design with Three-Stage Inverted Darlington Circuitry • 192 kHz/24-bit Hi-Res Audio Playback via Coaxial Inputs • Separate Wolfson® 192 kHz/24-bit DACs (WM8742 x 2) • Four Large 15,000  $\mu$ F Capacitors • Four Amplifier Modes (Integrated Amp, Power Amp, Pre-Amp, Split Pre-Amp/Power Amp) • Discrete Phono Equalizer (MM/MC) • Independent Headphone Amplifier • 3 Digital Inputs (1 Optical and 2 Coaxial)

DIDRC AWRAT 15,000  $\mu$ F 192 kHz/24-bit RI

## A-9050

Integrated Stereo Amplifier



SILVER BLACK

- 75 W/Ch (8  $\Omega$ , 1 kHz, 0.08%, 2 Channels Driven, IEC) • DIDRC (Dynamic Intermodulation Distortion Reduction Circuitry) • Three-Stage Inverted Darlington Circuitry • WRAT (Wide Range Amplifier Technology) • Thick, Low-Impedance Copper Bus Bars • Two 10,000  $\mu$ F Capacitors • Wolfson® 192 kHz/24-bit DAC (WM8718) • Phase-Matching Bass Boost • 96 kHz/24-bit Capable Digital Audio Inputs (1 Optical and 2 Coaxial) • Phono Input (MM) • Gold-Plated RCA Terminals and Speaker Posts • 1.6 mm Full Flat Chassis

DIDRC WRAT 10,000  $\mu$ F PMBASS 192 kHz/24-bit RI

## A-9030

Integrated Stereo Amplifier



SILVER BLACK

- 65 W/Ch (8  $\Omega$ , 1 kHz, 0.08%, 2 Channels Driven, IEC) • Three-Stage Inverted Darlington Circuitry • WRAT (Wide Range Amplifier Technology) • Phase-Matching Bass Boost • High-Current Low-Impedance Drive • Thick, Low-Impedance Copper Bus Bars • Two 8,200  $\mu$ F Capacitors • Optimum Gain Volume Control • 1.6 mm Full Flat Chassis • 5 Analog Audio Inputs and 1 Output • Phono Input (MM) • Subwoofer Pre-Out • Speaker A/B Drive

WRAT 8,200  $\mu$ F PMBASS RI



## DISCOVER TRUE MUSICALITY

## CP-1050

Direct Drive Turntable



BLACK YELLOW

- Stable Direct-Drive System for Minimal Low-Frequency Cogging Noise • Quartz-Lock Control System for High-Precision Rotation • Solid Anti-Vibration MDF Cabinet Construction with Woodgrain Finish • Die-cast 305 mm Aluminum Platter for Effortlessly Smooth and Stable Rotation • Aluminum Static-Balance S-shaped Tonearm • Detachable Hellshell Compatible with Aftermarket Cartridges • Gold-Plated RCA Phono Output • Easy Button-Selectable 33 1/3 and 45 rpm Speeds • WHD: 450 x 158 x 367.5 mm • 8.6 kg



## A-9010

Integrated Stereo Amplifier



SILVER BLACK

- 44 W/Ch (8  $\Omega$ , 1 kHz, 0.08% THD, 2 Channels Driven, IEC) • WRAT (Wide Range Amplifier Technology) • Discrete Amplifier Output Circuitry • High Quality Wolfson® WM8718 192 kHz/24-bit DAC • Two Digital Audio Inputs (Optical and Coaxial) • Coaxial Supports Sampling Rates Up to 192 kHz/24-bit • Independent Headphone Amplification Circuitry • Four Audio-Grade Capacitors • Thick Speaker Plates To Maintain Signal Quality • Gold-Plated Banana Plug-Compatible Speaker Posts • Phono Input (MM) and Phono Equalizer



## T-4070

Network Tuner



SILVER BLACK

- DIDRC (Dynamic Intermodulation Distortion Reduction Circuitry) • Internet Radio and Music Streaming Connectivity via Ethernet\*1 • Streaming via AirPlay® for iPod touch/iPhone/iPad • DLNA Version 1.5 Certification • Separate Wolfson® 192 kHz/24-bit DACs (WM8742 x 2) for L/R Channels • Direct Digital Connection of iPod/iPhone and Flash Memory Device via Front-Panel USB Port • Supports Onkyo Remote Apps for Control of Hi-Fi System via iPod touch/iPhone and Android™ Devices\*2 • FM/AM/DAB+ Tuner • 3 Digital Audio Outputs (Amphenol AES/EBU, Optical, and Coaxial) • Mached, Gold-Plated RCA, AES/EBU, and Coaxial Terminals • WHD: 435 x 100 x 306.7 mm • 5.8 kg



## T-4030

DAB+/DAB/FM Tuner



SILVER BLACK

- VLSC™ (Vector Linear Shaping Circuitry) • 40 DAB/DAB+ Presets • 40 FM Presets • Digital Audio Outputs (Optical and Coaxial) • Analog Audio Output • FM Digital Output Capability • 192 kHz/24-bit DAC • FM Mono Mode for Weak Signals • High-Rigidity, Anti-Resonant Chassis to Prevent Vibrations • Audiophile-Grade Capacitor • Automatic/Manual Tuning • Preset Station Naming (Up to Eight Characters) • RI (Remote Interactive) System Control • Battery-Free Memory Back-Up • WHD: 435 x 101.5 x 307 mm • 4.9 kg



## NS-6170

Network Audio Player



SILVER BLACK

- Google Cast™, Wi-Fi®, and AirPlay® • 2 x USB Type-A Inputs (Front and Rear) for Mass-Storage Class HDD Connection • Onkyo Controller App for iOS and Android™\*3 Enables Network/HDD Song Selection and Control • FireConnect™ Multi-Room Wireless Technology • Dual-Differential AKM 768 kHz/32-bit AK4490 DACs for Left and Right Channels • Wideband DIDRC Filter Delivers Ultimate Hi-Res Audio Clarity • Separate Power-supply Paths for L/R Channels • Custom EI Transformer for Clean and Consistent Power Supply • Dedicated Heavy Duty Capacitors for L/R Channel DACs • Gold-plated Analog and Digital Audio Outputs • Anti-Resonant Full-Flat Chassis • WHD: 435 x 100 x 317 mm • 4.5 kg



## NS-6130

Network Audio Player



SILVER BLACK

- Google Cast™, Wi-Fi®, and AirPlay® • Spotify®, TIDAL, Deezer, and Tuneln Streaming Services\*1 • 2 x USB Type-A Inputs (Front and Rear) for Mass-Storage Class HDD Connection • Onkyo Controller App for iOS and Android™\*3 Enables Network/HDD Song Selection and Control • FireConnect™ Multi-Room Wireless Technology • High-Quality AKM AK4452 D/A Converter • VLSC™ D/A Conversion Enhancement Technology Removes Digital Pulse-Noise • Symmetrical L/R Channel Layout • High-Quality Audio-Grade Circuit Componentry • Aluminum Front Panel and Anti-Resonant Full-Flat Chassis • WHD: 435 x 100 x 318 mm • 3.5 kg



\*1 Availability of services depends on region. Some services may require a paid subscription and firmware update. Availability of third-party services advertised here is accurate at the time of publication, but may be subject to change without notice.  
 \*2 Compatible with iPod touch (5th generation or later) and iPhone 4S or later. All models require iOS 7.0 or later; Android devices require Android 2.1 or later. \*3 iOS devices require iOS 8.0 or later; Android devices require Android 4.0.3 or later.

## TX-8150

Network Stereo Receiver



SILVER BLACK

- 140 W/Ch (6  $\Omega$ , 1 kHz, 2 Channels Driven, JEITA) • Non-Phase-Shift Amp Design for Realistic Sound Imaging • Two Custom-Made 8,200  $\mu$ F Hi-Current Capacitors • AKM AK4452 384kHz/32-bit Hi-Grade DAC • Built-in Wi-Fi® and Bluetooth® Audio Support • Internet Radio and Music Streaming Subscription Services Included • Compatible with Spotify® and AirPlay®
- Supports Onkyo Remote App • 4 Quick-Access BGM Presets • DAB/DAB+ Tuner with 40 Station Presets • Plays Music from Mass-Storage-Class USB Memory Devices



## TX-8130

Network Stereo Receiver



SILVER BLACK

- 115 W/Ch (6  $\Omega$ , 1 kHz, 2 Channels Driven, JEITA) • Non-Phase-Shift Amp Design for Realistic Sound Imaging • Two Custom-Made 8,200  $\mu$ F Hi-Current Capacitors • AKM AK4452 384 kHz/32-bit Hi-Grade DAC • Internet Radio and Music Streaming Subscription Services Included • Compatible with Spotify® • Supports Onkyo Remote App • 4 Quick-Access BGM Presets
- Plays Music from Mass-Storage-Class USB Memory Devices • 2 Digital Audio Inputs (Optical and Coaxial) • 6 Analog Audio Inputs and 1 Output • MM Phono Input



## TX-8020

Stereo Receiver



SILVER BLACK

- 90 W/Ch (6  $\Omega$ , 1 kHz, 1%, 1 Channel Driven, IEC) • Discrete Amplifier Design with Massive EI Transformer • High-Current, Low-Impedance Drive • 3 Digital Audio Inputs (1 Optical and 2 Coaxial) • 5 Analog Audio Inputs and 1 Output • Phono Input (MM) • Speaker A/B Terminals
- Subwoofer Pre-Out • Independent Bass, Treble, and Balance Controls



## C-7070

Compact Disc Player



SILVER BLACK

- Plays Audio CD, CD-R, CD-RW, MP3 CD, and WMA CD • DIDRC (Dynamic Intermodulation Distortion Reduction Circuitry) • Precision Clock ( $\pm 10$  ppm) • Separate Wolfson® 192 kHz/24-bit DACs (WM8742 x 2) for L/R Channels • Silent Disc Mechanism with Solid Die-Cast Aluminum Tray • New Circuit Board Construction to Reduce Vibration
- Independent Headphone Amplifier • Direct Digital Connection of iPod/iPhone and Flash Memory Devices via Front-Panel USB Port • 2 Digital Outputs (Optical and Coaxial) • Machined, Gold-Plated Audio Terminals



## C-N7050

Network CD Player



SILVER BLACK

- Plays Audio CD, CD-R, CD-RW, MP3-Encoded CD-R/CD-RW, and WAV-Encoded CD-R/CD-RW • Gapless Streaming of 2.8 MHz DSD/5.6 MHz DSD, 192 kHz/24-bit FLAC and WAV, and 96 kHz/24-bit ALAC Formats • Control and Stream Audio from Mobile with Onkyo Remote App\*1 • iPod/iPhone-Certified Direct-Digital USB Input (Front) • Includes vTuner Internet Radio Service • Top-Quality TI Burr-Brown 192 kHz/32-bit DAC (PCM1795 x1)
- Floating 32-bit DSP Engine • 2 USB Inputs (Front and Rear) • 2 Digital Outputs (Optical and Coaxial) • 3 Internet Radio Station Memory Presets with vTuner Bookmark Function



## C-7030

Compact Disc Player



SILVER BLACK

- Plays Audio CD, CD-R, CD-RW, MP3 CD, and WMA CD • VLSC™ (Vector Linear Shaping Circuitry) for Pulse Noise Reduction • Precision Clock ( $\pm 10$  ppm) • 192 kHz/24-bit DAC
- Custom-Designed Massive EI Transformers • Differential Headphone Amplifier Circuitry • 25-Track Memory Playback • Random and Repeat Playback Function • 2 Digital Audio Outputs (Optical and Coaxial) • Analog Audio Output • 1.6 mm-Thick Anti-Vibration Full-Flat Chassis



## DX-C390

6-Disc CD Carousel Changer



BLACK SILVER

- Plays Audio CDs, MP3-Encoded CDs, CD-R/RWs • VLSC™ (Vector Linear Shaping Circuitry) • VQA (Vector Quantizer Audio) Conversion Technology • Change up to 5 Discs During Play • 192 kHz/24-bit Audio DAC • Direct Digital Path • 2 Digital Outputs (Optical and Coaxial) • Next Selection Function • Brushed Hairline Aluminum Front Panel • WHD: 435 x 131 x 432 mm • 6.9 kg







## COMPACT STYLE MEETS FULL-SCALE SOUND

### R-N855

Network Stereo Receiver



SILVER BLACK

- Discrete 70 W x 70 W Amplifier • Plug and Play USB-HDD Server Function • Customized Massive EI Transformer • Wireless Audio Streaming with Google Cast™, AirPlay®, Wi-Fi®, and Bluetooth® • FireConnect™ Multi-Room Wireless Technology • Spotify®, Deezer, TIDAL, and TuneIn®1 • Onkyo Controller App for iOS and Android®2 • Phono Input (MM) • Supports Hi-Res Audio • High-Rigidity Anti-Resonant Flat Chassis • Aluminum Front Panel • WHD: 275 x 87.7 x 283.2 mm • 6.1 kg



### C-755

Compact Disc Player



SILVER BLACK

- Plays Audio CD, CD-R, CD-RW, and MP3 CD • Aluminum Front Panel • VLSC™ (Vector Linear Shaping Circuitry) for Pulse Noise Reduction • Customized Massive EI Transformer • Precision Clock (±10 ppm) • AKM 192 kHz/24-bit D/A Converter • High-Rigidity Anti-Resonant Flat Chassis • WHD: 275 x 87.7 x 283.2 mm • 3.4 kg



### CS-N1075

Compact Hi-Fi System



SILVER BLACK BLACK BLACK



R-N855 Network Stereo Receiver  
C-755 Compact Disc Player  
D-175 2-Way Bass Reflex Speakers

- 13 cm N-OMF Diaphragm Woofer • 3 cm Ring Tweeter • WHD: 170 x 283 x 260.4 mm • 4.3 kg



N-OMF





## HEAR MORE, FEEL MORE WITH ONKYO WIRELESS HI-FI

### CS-265

CD Hi-Fi Mini System

WHITE BLACK RED LIGHT BLUE YELLOW

#### CR-265 CD Receiver

- 20 W/Ch (6  $\Omega$ , 1 kHz, 10% THD, 2 Channels Driven, IEC)
- Efficient Digital Amplifier for Clear and Balanced Stereo Sound
- Bluetooth® Version 4.0 for Mobiles, Tablets, and PCs
- Quick and Convenient NFC Connection for Bluetooth Streaming (NFC-Compatible Devices Only) • Plays Audio CD, CD-R, CD-RW, and MP3-Encoded CD • Front-Panel USB Port for iPod/iPhone/iPad and USB Flash Drives • FM Tuning with 30 Presets • 2-Mode Super Bass Function • WHD: 215 x 99 x 273 mm • 1.9 kg

#### D-T25 2-Way Bass Reflex Speakers

- 10 cm Cone Woofer • 2.0 cm Balanced-Dome Tweeter
- Non-Parallel Sides to Prevent Internal Standing Waves
- Magnetically Shielded • WHD: 130 x 210 x 176 mm • 1.7 kg



DSD DIGITAL AUDIO MP3 USB NFC Bluetooth iPod iPhone iPad

colibrino



### CS-265DAB

CD Hi-Fi Mini System with Built-In DAB+ Tuner

BLACK WHITE



DSD DIGITAL AUDIO MP3 USB NFC Bluetooth iPod iPhone iPad



### CR-N765/CS-N765

Network CD Receiver/Network Hi-Fi Mini System

SILVER BLACK BLACK BLACK

#### CR-N765 Network CD Receiver

- 22 W/Ch (4  $\Omega$ , 1 kHz, 0.4%, 2 Channels Driven, IEC)
- Plays Audio CD, CD-R, and CD-RW • Playback of Audio Files via Local Network and USB (MP3, WMA, WMA Lossless, FLAC, WAV, Ogg Vorbis, AAC, LPCM, ALAC, 5.6 MHz DSD) • High-Resolution Gapless Playback Capability (FLAC, WAV, ALAC) • Three-Stage Inverted Darlington Circuitry • Symmetrical Power Amplifier Circuit Design • High-Quality 768 kHz/32-bit Stereo DAC (AK4490) • Internet Radio and Music Streaming Service Connectivity\*1 • Control and Stream Audio from Mobile with Onkyo Remote App\*2 • Front-Panel USB Port for iPod/iPhone or Flash Memory Device • Discrete Headphone Amplifier • WHD: 215 x 119 x 331 mm • 5.0 kg

#### D-055 2-Way Bass Reflex Speakers

- 12 cm N-OMF Diaphragm Woofer • 2.5 cm Soft-Dome Tweeter
- Center-Mounted Equalizer on Woofer for Clear Vocal Sound
- Black Rubber Finish for Speaker Baffle
- WHD: 154 x 245 x 258 mm • 3.6 kg



DSD DIGITAL AUDIO MP3 WMA AAC WMA Lossless FLAC WAV Ogg Vorbis ALAC 5.6 MHz DSD NETWORK DLNA Spotify DEEZER ALPICO +tunein USB RI iPod iPhone N-OMF



### D-055

2-Way Bass Reflex Speakers

BLACK

- 12 cm N-OMF Diaphragm Woofer • 2.5 cm Soft-Dome Tweeter
- Center-Mounted Equalizer on Woofer for Clear Vocal Sound • Black Rubber Finish for Speaker Baffle
- WHD: 154 x 245 x 258 mm • 3.6 kg



N-OMF



# SEEK THE ULTIMATE IN PERSONAL HI-RES AUDIO

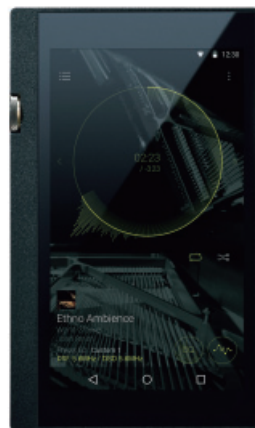
## DP-X1

Digital Audio Player



BLACK

- Dual ESS SABRE ES9018K2M DACs and SABRE 9601K Amps • Standard Balanced (BTL) and Active Control Ground (ACG) Modes • 2.5 mm 4-Pole and 3.5 mm 3-Pole Output • Audio Circuit Board (DAC/Amp) Separated from Main Circuit Board (CPU) • Closed Loop Circuit Design to Limit Noise • Physical Buttons for Quick Music Control • Support for Up to 432 GB of Storage (200 GB micro SD slot x 2 and 32 GB Internal Storage) • Support for MQA • Based on Android™ with Access to Google Play™ • Supports Wi-Fi® and Bluetooth® • Supports Qualcomm aptX • Micro USB-B/OTG Digital Output • WHD: 129.0 x 75.9 x 12.7 mm • 203 g



## DAC-HA300

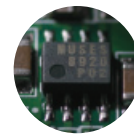
D/A Converter/Headphone Amplifier/SD Player



BLACK

- MUSES 8920 Op-Amp and Fully Discrete Low-Distortion Push-Pull Output Circuitry for Brilliantly Clear and Immersive Hi-Fi Sound Quality • Supports 192 kHz/24-bit Hi-Res Audio and 5.6 MHz DSD Playback via iOS Devices (Lightning USB Cable and HF Player App Required\*), Android™ Devices (On-the-Go Cable and HF Player App Required\*), and PC/Mac\* (via Micro USB Type-B Input) • Compatible with Most Major Hi-Res, Lossless, and Compressed Audio Formats • Supports 192 kHz/24-bit Hi-Res Audio from Connected Media Players via Digital Optical/Coaxial Switching Input • Inbuilt Hi-Res Music Player with Up to 128 GB microSD Card Storage\*\* • Bright OLED Screen for Song Selection • Premium TI Burr-Brown 192 kHz/32-bit PCM1795 DAC Enables Asynchronous D/A Conversion for PC, Mac, and Android • WHD: 69.6 x 21.5 x 123 mm • 280 g

\*1 Certified for iPhone 6, iPhone 5s, iPhone 5c, iPhone 5, iPad Retina (4th Generation), iPad Air, iPad mini, iPad mini Retina, and iPod touch (5th Generation or later). Full HF Player app functionality for Hi-Res Audio is available when iOS device is connected via USB cable. \*2 Requires Android 4.1 or later. Full HF Player app functionality is available when Android device is connected via USB cable. \*3 Connection to computer via USB is supported by Windows Vista, Windows 7, Windows 8, Windows 8.1, OS X Lion, OS X Mountain Lion 10.8, and OS X Mavericks 10.9. Functionality with other operating systems is not guaranteed. \*4 A microSD card is not included.



MUSES 8920 Op-Amp



Made for iPod iPhone iPad

## DAC-HA200

D/A Converter and Headphone Amplifier



BLACK

- MUSES 8920 Op-Amp with Discrete Low-Distortion Push-Pull Output Circuitry • Support for iOS Devices\*<sup>1</sup> with Lightning Connector and AOA 2.0-Compliant Android™ Devices\*<sup>2</sup> via USB Type-A Input • Asynchronous High-Resolution D/A Converter for PC, Mac, and Android™ via USB with High-Precision Clock to Reduce Jitter and Digital Noise\*<sup>3</sup> • Free Access to Onkyo HD Player Pack When Connected to iOS Devices via USB • 96 kHz/24-bit-Capable Optical Digital Input • TI Burr-Brown PCM5102 DAC • WHD: 64 x 21.7 x 112 mm • 210 g

\*1 Certified for iPhone 5s, iPhone 5c, iPhone 5, iPad Retina (4th Generation), iPad Air, iPad mini, iPad mini Retina, and iPod touch (5th Generation).

\*2 Maximum output resolution for Android devices with AOA 2.0 is 48 kHz at 1.6-bit depth (Android 4.1 and later). \*3 Connection to computer via USB is supported by Windows Vista, Windows 7, Windows 8, Windows 8.1, OS X Snow Leopard 10.6.4 or later, OS X Lion, OS X Mountain Lion 10.8, and OS X Mavericks 10.9. Functionality with other operating systems is not guaranteed.



Made for iPod iPhone iPad

## HF Player App for iOS/Android™

Premium Audio Quality with Precision Equalization



### Free iOS and Android Versions

- High-precision EQ (16,384 discrete bands, linear-phase FIR filter)
- Create and save personalized EQ settings for different music
- Selectable EQ presets optimized by musicians for Onkyo headphones
- Automatic upsampling function
- Crossfade playback option

### HD Player Pack (iOS) and HF Player Unlocker (Android)

- Playback 192/24 and DSD 11.2 MHz
- Output Hi-Res Audio and DSD to compatible DAC/Amps via Lightning or OTG (On-the-Go) cables and DoP Output Mode
- Playlist creation function for Hi-Res library

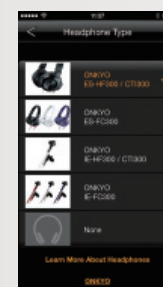
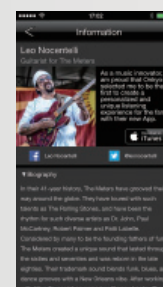
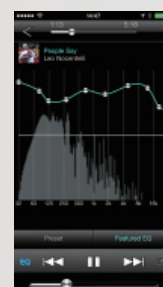
### Supported Formats (iOS)

- MP3/ALAC/AAC/WAV/AIFF (Up to 48 kHz)
- DSF/DSD-IFF (Up to 11.2 MHz, PCM conversion, DoP), FLAC/ALAC/WAV/AIFF (Up to 384 kHz), and Ogg-Vorbis (Up to 192 kHz)\*

### Supported Formats (Android)

- MP3/AAC (Up to 48 kHz)
- DSF/DSD-IFF (Up to 11.2 MHz, PCM conversion, DoP)
- FLAC/ALAC/WAV/AIFF/Ogg-Vorbis (Up to 192 kHz)

\* Paid version only.



iOS version pictured.



Note: Audio on Android devices with a sampling rate exceeding 88.2 kHz is downsampled to 44.1 kHz or 48 kHz. HF Player for iOS is compatible with iPhone 4s or later, iPod touch 5th generation or later, iPad 2 or later, and iPad mini running iOS 6 or later; iPhone 5s or later is recommended for playback of DSD 11.2 MHz and above. HF Player for Android requires Android 4.1 or later.

A/V Receivers

SPECIFICATIONS									
	TX-RZ3100	TX-RZ1100	TX-RZ810	TX-RZ710	TX-NR656	TX-NR555	TX-SR444	TX-SR252	PR-RZ5100
AMPLIFIER SECTION									
Channels	11.2	9.2	7.2	7.2	7.2	7.2	7.1	5.1	11.2 (Pre-Outs Only)
Power Output All Channels (except for subwoofers)	320 W/Ch (6 Ω, 1 kHz, 10%, 1 Channel Driven, JEITA) 200 W/Ch (6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC)	320 W/Ch (6 Ω, 1 kHz, 10%, 1 Channel Driven, JEITA) 200 W/Ch (6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC)	215 W/Ch (6 Ω, 1 kHz, 10%, 1 Channel Driven, JEITA) 180 W/Ch (6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC)	185 W/Ch (6 Ω, 1 kHz, 10%, 1 Channel Driven, JEITA) 175 W/Ch (6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC)	175 W/Ch (6 Ω, 1 kHz, 10%, 1 Channel Driven, JEITA) 160 W/Ch (6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC)	160 W/Ch (6 Ω, 1 kHz, 10%, 1 Channel Driven, JEITA) 130 W/Ch (6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC)	120 W/Ch (6 Ω, 1 kHz, 1%, 1 Channel Driven, JEITA) 100 W/Ch (6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC)	120 W/Ch (6 Ω, 1 kHz, 1%, 1 Channel Driven, JEITA) 100 W/Ch (6 Ω, 1 kHz, 0.7%, 1 Channel Driven, IEC)	—
Dynamic Power	320 W (3 Ω, Front) 270 W (4 Ω, Front) 160 W (8 Ω, Front)	320 W (3 Ω, Front) 270 W (4 Ω, Front) 160 W (8 Ω, Front)	300 W (3 Ω, Front) 250 W (4 Ω, Front) 150 W (8 Ω, Front)	250 W (3 Ω, Front) 220 W (4 Ω, Front) 130 W (8 Ω, Front)	240 W (3 Ω, Front) 210 W (4 Ω, Front) 120 W (8 Ω, Front)	160 W (3 Ω, Front) 125 W (4 Ω, Front) 85 W (8 Ω, Front)	160 W (3 Ω, Front) 125 W (4 Ω, Front) 85 W (8 Ω, Front)	—	—
THD + N (Total Harmonic Distortion + Noise)	0.04% (1 kHz, 100 W)	0.04% (1 kHz, 100 W)	0.08% (20 Hz–20 kHz, Half Power)	0.08% (20 Hz–20 kHz, Half Power)	0.08% (20 Hz–20 kHz, Half Power)	0.08% (20 Hz–20 kHz, Half Power)	0.08% (20 Hz–20 kHz, Half Power)	0.06% (20 Hz–20 kHz)	—
Input Sensitivity and Impedance	200 mV/82 kΩ (Line) 3.5 mV/47 kΩ (Phono MM)	200 mV/82 kΩ (Line) 3.5 mV/47 kΩ (Phono MM)	200 mV/47 kΩ (Line) 3.5 mV/47 kΩ (Phono MM)	200 mV/47 kΩ (Line) 3.5 mV/47 kΩ (Phono MM)	200 mV/47 kΩ (Line) 3.5 mV/47 kΩ (Phono MM)	200 mV/47 kΩ (Line) 3.5 mV/47 kΩ (Phono MM)	200 mV/47 kΩ (Line)	250 mV/47 kΩ (Line)	200 mV/82 kΩ (Line) 3.5 mV/47 kΩ (Phono MM)
Rated RCA Output Level and Impedance	1.0 V/330 Ω (Pre Out) 1.0 V/330 Ω (Subwoofer Pre Out) 200 mV/1.2 kΩ (Zone Out) 2.0 V/1.2 kΩ (Zone Pre Out)	1.0 V/330 Ω (Pre Out) 1.0 V/330 Ω (Subwoofer Pre Out) 200 mV/1.2 kΩ (Zone Out) 2.0 V/1.2 kΩ (Zone Pre Out)	1.0 V/470 Ω (Pre Out) 1.0 V/470 Ω (Subwoofer Pre Out) 200 mV/2.3 kΩ (Zone Out) 2.0 V/2.3 kΩ (Zone Pre Out)	200 mV/2.3 kΩ (Zone Line Out) 1.0 V/470 Ω (Subwoofer Pre Out) 2.0 V/2.3 kΩ (Zone Pre Out)	200 mV/2.3 kΩ (Zone 2 Line Out) 3.5 mV/47 kΩ (Subwoofer Pre Out)	200 mV/2.3 kΩ (Zone 2 Line Out) 1.0 V/470 Ω (Subwoofer Pre Out)	1.0 V/470 Ω (Pre Out) 1.0 V/470 Ω (Subwoofer Pre Out)	—	200 mV/1.2 kΩ (Zone Line Out) 2 V/1.2 kΩ (Zone Pre Out) 1.0 V/330 Ω (Pre Out/ Subwoofer Pre Out)
Rated XLR Output Level and Impedance	—	—	—	—	—	—	—	—	2.0 V/220 Ω (Pre Out)
Phono Overload	70 mV (MM, 1 kHz, 0.5%)	70 mV (MM, 1 kHz, 0.5%)	70 mV (MM, 1 kHz, 0.5%)	70 mV (MM, 1 kHz, 0.5%)	70 mV (MM, 1 kHz, 0.5%)	70 mV (MM, 1 kHz, 0.5%)	—	—	70 mV (MM, 1 kHz, 0.5%)
Tone Control Bass Treble	±10 dB, 100 Hz ±10 dB, 10 kHz	±10 dB, 100 Hz ±10 dB, 10 kHz	±10 dB, 90 Hz ±10 dB, 7.5 kHz	±10 dB, 90 Hz ±10 dB, 7.5 kHz	±10 dB, 90 Hz ±10 dB, 7.5 kHz	±10 dB, 90 Hz ±10 dB, 7.5 kHz	±10 dB, 20 Hz ±10 dB, 20 kHz	±6 dB, 100 Hz ±6 dB, 10 kHz	±10 dB, 100 Hz ±10 dB, 10 kHz
Signal-to-Noise Ratio	108 dB (Line, IHF-A) 90 dB (Phono MM, IHF-A)	108 dB (Line, IHF-A) 90 dB (Phono MM, IHF-A)	106 dB (Line, IHF-A) 80 dB (Phono MM, IHF-A)	106 dB (Line, IHF-A) 80 dB (Phono MM, IHF-A)	106 dB (Line, IHF-A) 80 dB (Phono MM, IHF-A)	106 dB (Line, IHF-A) 80 dB (Phono MM, IHF-A)	100 dB (Line, IHF-A)	98 dB (Line, IHF-A)	110 dB (Line, IHF-A) 80 dB (Phono MM, IHF-A)
Speaker Impedance	4 Ω–16 Ω	4 Ω–16 Ω	6 Ω–16 Ω	6 Ω–16 Ω	6 Ω–16 Ω	6 Ω–16 Ω	6 Ω–16 Ω	6 Ω–16 Ω	—
VIDEO SECTION									
Input Sensitivity/Output Level and Impedance	1.0 Vp-p/75 Ω (Component Y) 0.7 Vp-p/75 Ω (Component Pa/Ca, Pr/Ca) 1.0 Vp-p/75 Ω (Composite)	1.0 Vp-p/75 Ω (Component Y) 0.7 Vp-p/75 Ω (Component Pa/Ca, Pr/Ca) 1.0 Vp-p/75 Ω (Composite)	1.0 Vp-p/75 Ω (Component Y) 0.7 Vp-p/75 Ω (Component Pa/Ca, Pr/Ca) 1.0 Vp-p/75 Ω (Composite)	1.0 Vp-p/75 Ω (Component Y) 0.7 Vp-p/75 Ω (Component Pa/Ca, Pr/Ca) 1.0 Vp-p/75 Ω (Composite)	1.0 Vp-p/75 Ω (Component Y) 0.7 Vp-p/75 Ω (Component Pa/Ca, Pr/Ca) 1.0 Vp-p/75 Ω (Composite)	1.0 Vp-p/75 Ω (Component Y) 0.7 Vp-p/75 Ω (Component Pa/Ca, Pr/Ca) 1.0 Vp-p/75 Ω (Composite)	1.0 Vp-p/75 Ω (Component Y) 0.7 Vp-p/75 Ω (Component Pa/Ca, Pr/Ca) 1.0 Vp-p/75 Ω (Composite)	1.0 Vp-p/75 Ω (Monitor Out)	1.0 Vp-p/75 Ω (Component Y) 0.7 Vp-p/75 Ω (Component Pa/Ca, Pr/Ca) 1.0 Vp-p/75 Ω (Composite)
Component Video Frequency Response	—	—	—	—	—	—	5 Hz–13.5 MHz/ +0 dB, -3 dB	—	—
TUNER SECTION									
Tuning Frequency Range	FM AM	FM AM	FM AM	FM AM	FM AM	FM AM	FM AM	FM AM	FM AM
	87.5 MHz–108 MHz 522 kHz–1,611 kHz	87.5 MHz–108 MHz 522 kHz–1,611 kHz	87.5 MHz–108 MHz 522 kHz–1,611 kHz / 530 kHz–1,710 kHz	87.5 MHz–108 MHz 522 kHz–1,611 kHz / 530 kHz–1,710 kHz	87.5 MHz–108 MHz 522 kHz–1,611 kHz / 530 kHz–1,710 kHz	87.5 MHz–108 MHz 522 kHz–1,611 kHz / 530 kHz–1,710 kHz	87.5 MHz–108 MHz 522 kHz–1,611 kHz / 530 kHz–1,710 kHz	87.5 MHz–108 MHz 531 kHz–1,602 kHz	87.5 MHz–108 MHz 522 kHz–1,611 kHz / 530 kHz–1,710 kHz
Preset Memory	40 Stations	40 Stations	40 Stations	40 Stations	40 Stations	40 Stations	40 Stations	30 Stations	40 Stations
GENERAL									
Power Supply	AC 220–230 V–, 50/60 Hz	AC 220–230 V–, 50/60 Hz	AC 220–240 V–, 50/60 Hz	AC 220–240 V–, 50/60 Hz	AC 220–240 V–, 50/60 Hz	AC 220–240 V–, 50/60 Hz	AC 220–240 V–, 50/60 Hz	AC 220–240 V–, 50/60 Hz	AC 220–230 V–, 50/60 Hz
Power Consumption	340 W	320 W	710 W	600 W	570 W	450 W	420 W	165 W	65 W
No-Sound Power Consumption	—	—	—	—	65 W	—	55 W	—	—
Standby Power Consumption	0.15 W	0.15 W	0.15 W	0.15 W	0.15 W	0.15 W	0.3 W	0.45 W	—
Dimensions (W x H x D)	435 x 201 x 453 mm	435 x 201 x 453 mm	435 x 201.5 x 395 mm	435 x 177 x 378 mm	435 x 173.5 x 378 mm	435 x 173.5 x 378 mm	435 x 160 x 328 mm	435 x 168 x 326.5 mm	435 x 201 x 447.5 mm
Weight	19.7 kg	19.7 kg	14.0 kg	10.5 kg	10.0 kg	9.6 kg	8.0 kg	7.3 kg	13.6 kg

Integrated Amplifiers

SPECIFICATIONS					
	A-9000R	A-9070	A-9050	A-9030	A-9010
Power Output	140 W/Ch (4 Ω, 20 Hz–20 kHz, 0.05%, 2 Channels Driven, IEC) 75 W/Ch (8 Ω, 20 Hz–20 kHz, 0.05%, 2 Channels Driven, IEC)	140 W/Ch (4 Ω, 20 Hz–20 kHz, 0.05%, 2 Channels Driven, IEC) 75 W/Ch (8 Ω, 20 Hz–20 kHz, 0.05%, 2 Channels Driven, IEC)	75 W/Ch (8 Ω, 1 kHz, 0.08%, 2 Channels Driven, IEC)	65 W/Ch (8 Ω, 1 kHz, 0.08%, 2 Channels Driven, IEC)	44 W/Ch (8 Ω, 1 kHz, 0.08%, 2 Channels Driven, IEC)
Dynamic Power	450 W (1 Ω), 310 W (2 Ω), 230 W (3 Ω), 180 W (4 Ω), 100 W (8 Ω)	450 W (1 Ω), 310 W (2 Ω), 230 W (3 Ω), 180 W (4 Ω), 100 W (8 Ω)	—	—	—
THD+N (Total Harmonic Distortion + Noise)	0.006% (Half Power) 0.03% (1 kHz, 1 W Output) 0.008% (20 Hz–20 kHz, Half Power) 0.03% (20 Hz–20 kHz, 1 W Output)	0.006% (Half Power) 0.03% (1 kHz, 1 W Output) 0.008% (20 Hz–20 kHz, Half Power) 0.03% (20 Hz–20 kHz, 1 W Output)	0.08% (1 kHz, 1 W Output)	0.08% (1 kHz, 1 W Output)	0.08% (1 kHz, 1 W Output)
Input Sensitivity and Impedance	150 mV/47 kΩ (Line) 2.25 mV/47 kΩ (Phono MM) 0.18 mV/100 Ω (Phono MC)	150 mV/47 kΩ (Line) 2.25 mV/47 kΩ (Phono MM) 0.18 mV/100 Ω (Phono MC)	175 mV/33 kΩ (Line) 4.8 mV/47 kΩ (Phono MM)	175 mV/33 kΩ (Line) 4.8 mV/47 kΩ (Phono MM)	150 mV/100 kΩ (Line) 3.0 mV/47 kΩ (Phono MM)
Rated RCA Output Level and Impedance	1 V/300 Ω (Pre Out)	1 V/300 Ω (Pre Out)	0.175 V/2.2 kΩ (Rec Out)	0.175 V/2.2 kΩ (Rec Out)	0.15V/2.2 kΩ (Line Out)
Maximum RCA Output Level and Impedance	5 V/300 Ω (Pre Out)	5 V/300 Ω (Pre Out)	—	—	—
Phono Overload	70 mV (MM, 1 kHz, 0.5%) 5.2 mV (MC, 1 kHz, 0.5%)	70 mV (MM, 1 kHz, 0.5%) 5.2 mV (MC, 1 kHz, 0.5%)	100 mV (MM, 1 kHz, 0.5%)	100 mV (MM, 1 kHz, 0.5%)	94 mV (MM, 1 kHz, 0.5%)
Frequency Response	10 Hz–100 kHz/+0 dB, -1 dB (1 W, Line) 1 Hz–250 kHz/+0 dB, -3 dB (1 W, 8 Ω)	10 Hz–100 kHz/+0 dB, -1 dB (1 W, Line) 1 Hz–250 kHz/+0 dB, -3 dB (1 W, 8 Ω)	10 Hz–100 kHz/+1 dB, -3 dB (Line 1)	10 Hz–100 kHz/+1 dB, -3 dB (Line 1)	10 Hz–100 kHz/+1 dB, -3 dB (Line 1)
Tone Control	±10 dB, 80 Hz (Bass) ±10 dB, 10 kHz (Treble)	±10 dB, 80 Hz (Bass) ±10 dB, 10 kHz (Treble)	±14 dB, 100 Hz (Bass) ±14 dB, 10 kHz (Treble) +8 dB, 80 Hz (PM Bass)	±14 dB, 100 Hz (Bass) ±14 dB, 10 kHz (Treble) +8 dB, 80 Hz (PM Bass)	±10 dB, 100 Hz (Bass) ±10 dB, 10 kHz (Treble)
Signal-to-Noise Ratio	107 dB (Line, IHF-A) 60 dB (Phono MM, IHF-A) 70 dB (Phono MC, IHF-A)	107 dB (Line, IHF-A) 60 dB (Phono MM, IHF-A) 70 dB (Phono MC, IHF-A)	110 dB (Line, IHF-A) 80 dB (Phono MM, IHF-A)	105 dB (Line, IHF-A) 80 dB (Phono MM, IHF-A)	92 dB (Line, IHF-A) 78 dB (Phono MM, IHF-A)
Speaker Impedance	4 Ω–16 Ω (A or B) 8 Ω–16 Ω (A + B)	4 Ω–16 Ω (A or B) 8 Ω–16 Ω (A + B)	4 Ω–16 Ω (A or B) 8 Ω–16 Ω (A + B)	4 Ω–16 Ω (A or B) 8 Ω–16 Ω (A + B)	4 Ω–16 Ω
Power Supply	AC 230 V–, 50 Hz	AC 230 V–, 50 Hz	AC 230 V–, 50 Hz	AC 220–230 V–, 50/60 Hz	AC 220–240 V–, 50/60 Hz
Power Consumption	300 W	290 W	160 W	135 W	155 W
No-Sound Power Consumption	—	—	—	—	25 W
Standby Power Consumption	0.2 W	0.2 W	0.3 W	0.3 W	0.4 W
Dimensions (W x H x D)	435 x 175 x 435 mm	435 x 174.5 x 431 mm	435 x 139 x 330.3 mm	435 x 139 x 330.3 mm	435 x 129.5 x 332.5 mm
Weight	18.5 kg	18.1 kg	8.2 kg	7.4 kg	6.5 kg



9-Channel Amplifier

SPECIFICATIONS	
	PA-MC5501
Power Output All Channels	280 W/Ch (6 Ω, 1 kHz, 1 Channel Driven, JEITA)
Dynamic Power	400 W (3 Ω, Front) 300 W (4 Ω, Front) 180 W (8 Ω, Front)
THD (Total Harmonic Distortion)	0.05% (Rated Power)
Input Sensitivity and Impedance	1 V/47 kΩ (Balanced) 2 V/22 kΩ (Unbalanced)
Frequency Response	5 Hz–100 kHz/+1 dB, -3 dB
Signal-to-Noise Ratio	110 dB (Unbalanced, IHF-A)
Speaker Impedance	4 Ω–16 Ω or 6 Ω–16 Ω
Power Supply	AC 220–240 V~, 50/60 Hz
Power Consumption	1,050 W
Dimensions (W x H x D)	435 x 198.5 x 446.5 mm
Weight	22.0 kg

Stereo Amplifiers

SPECIFICATIONS		
	M-5000R	P-3000R
Power Output (2-Ch Stereo)	150 W/Ch (4 Ω, 20 Hz–20 kHz, 0.05%, 2 Channels Driven, IEC) 80 W/Ch (8 Ω, 20 Hz–20 kHz, 0.05%, 2 Channels Driven, IEC) 170 W/Ch (4 Ω, 1 kHz, 1%, 2 Channels Driven, IEC) 100 W/Ch (8 Ω, 1 kHz, 1%, 2 Channels Driven, IEC)	—
Power Output (BTL Mono)	220 W/Ch (4 Ω, 20 Hz–20 kHz, 0.05%, 1 Channel Driven, IEC) 180 W/Ch (8 Ω, 20 Hz–20 kHz, 0.05%, 1 Channel Driven, IEC) 250 W/Ch (4 Ω, 1 kHz, 1%, 1 Channel Driven, IEC) 200 W/Ch (8 Ω, 1 kHz, 1%, 1 Channel Driven, IEC)	—
Dynamic Power	460 W (1 Ω), 320 W (2 Ω), 245 W (3 Ω), 196 W (4 Ω), 142 W (6 Ω), 110 W (8 Ω)	—
THD+N (Total Harmonic Distortion + Noise)	0.005% (1 kHz, Half Power) 0.02% (20 Hz–20 kHz, Half Power)	0.005% (20 Hz–20 kHz, Half Power)
Input Sensitivity and Impedance	1.4 V/10 kΩ (BTL) 700 mV/10 kΩ (RCA)	200 mV/47 kΩ (Line) 2.7 mV/47 kΩ (Phono MM)
Frequency Response	10 Hz–100 kHz/0 dB, -1 dB (1 W) 1 Hz–250 kHz/-3 dB (1 W/8 Ω)	5 Hz–100 kHz/0 dB, -3 dB (Line)
Signal-to-Noise Ratio	110 dB (RCA, IHF-A)	110 dB (Direct, IHF-A) 80 dB (Phono, MM)
Speaker Impedance	4 Ω–16 Ω 6 Ω–16 Ω (BTL)	—
Power Supply	AC 230 V~, 50 Hz	AC 230 V~, 50 Hz
Power Consumption	280 W	29 W
Dimensions (W x H x D)	435 x 187.5 x 432.5 mm	435 x 99 x 333.1 mm
Weight	23.5 kg	11.0 kg

CD/Network Audio Players

SPECIFICATIONS						
	C-7000R	C-7070	C-N7050	C-7030	NS-6170	NS-6130
Frequency Response	2 Hz–20 kHz	2 Hz–20 kHz	10 Hz–70 kHz	4 Hz–20 kHz	4 Hz–70 kHz (192 kHz/24-bit)	4 Hz–70 kHz (192 kHz/24-bit)
Signal-to-Noise Ratio	116 dB	116 dB	115 dB	107 dB	115 dB (192 kHz/24-bit, LPF 22 kHz, A-Weight, 1 kHz)	112 dB (192 kHz/24-bit, LPF 22 kHz, A-Weight, 1 kHz)
Dynamic Range	100 dB	100 dB	108 dB	100 dB	114 dB (192 kHz/24-bit, LPF 22 kHz, A-Weight, 1 kHz)	111 dB (192 kHz/24-bit, LPF 22 kHz, A-Weight, 1 kHz)
THD (Total Harmonic Distortion)	0.0015%	0.0025%	0.003%	0.0029%	0.002% (192 kHz/24-bit, LPF 22 kHz, 1 kHz)	0.002% (192 kHz/24-bit, LPF 22 kHz, 1 kHz)
Audio Output/Impedance	Optical Coaxial Analog	—	—	—	0.5 Vp-p/75 Ω 0.5 Vp-p/75 Ω 2 V (rms)/470 Ω	— 0.5 Vp-p/75 Ω 2 V (rms)/470 Ω
Power Supply	AC 230 V~, 50 Hz	AC 230 V~, 50 Hz	AC 220–240 V~, 50 Hz	AC 220–240 V~, 50/60 Hz	AC 220–240 V~, 50 Hz	AC 220–240 V~, 50 Hz
Power Consumption	18 W	23 W	30 W	12 W	37 W	22 W
Dimensions (W x H x D)	435 x 99 x 315.2 mm	435 x 101 x 306 mm	435 x 102 x 302 mm	435 x 101 x 306 mm	435 x 100 x 317 mm	435 x 100 x 318 mm
Weight	12.0 kg	6.4 kg	4.6 kg	5.3 kg	4.5 kg	3.5 kg

BD Players

SPECIFICATIONS		
	BD-SP809	BD-SP353
Frequency Range (Digital Audio)	BD DVD Linear Sound	4 Hz–88 kHz (192 kHz) 4 Hz–44 kHz (96 kHz), 4 Hz–22 kHz (48 kHz) 4 Hz–20 kHz (44.1 kHz)
S/N Ratio (Digital Audio)	100 dB	—
Audio Dynamic Range (Digital Audio)	98 dB	—
THD (Digital Audio)	0.005% (1 kHz)	—
Wow and Flutter	Below threshold of measurability	—
Composite Video Output/Impedance	1.0 Vp-p/75 Ω	—
Component Video Output/Impedance	Y: 1.0 Vp-p/75 Ω Pb/Pb: 0.7 Vp-p/75 Ω	—
Component Video Frequency Response	5 Hz–50 MHz	—
Audio Output/Impedance	Digital (Optical) Digital (Coaxial) Analog Audio	— — —
Power Supply	AC 110–240 V~, 50/60 Hz	AC 110–240 V~, 50/60 Hz
Power Consumption	23 W	13 W
Quick Standby Power Consumption	—	1 W
Standby Power Consumption	—	0.3 W
Dimensions (W x H x D)	435 x 104 x 313 mm	435 x 58 x 249 mm
Weight	4.7 kg	2.0 kg

Stereo Receivers

SPECIFICATIONS			
	TX-8150	TX-8130	TX-8020
Power Output	140 W/Ch (6 Ω, 1 kHz, 1%, 2 Channels Driven, JEITA) 135 W/Ch (6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC)	115 W/Ch (6 Ω, 1 kHz, 1%, 2 Channels Driven, JEITA) 110 W/Ch (6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC)	90 W/Ch (6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC)
Dynamic Power	190 W/Ch (3 Ω) 170 W/Ch (4 Ω) 110 W/Ch (8 Ω)	170 W/Ch (3 Ω) 150 W/Ch (4 Ω) 90 W/Ch (8 Ω)	180 W/Ch (3 Ω) 160 W/Ch (4 Ω) 100 W/Ch (8 Ω)
THD+N (Total Harmonic Distortion + Noise)	0.08% (20 Hz–20 kHz, Half Power)	0.08% (20 Hz–20 kHz, Half Power)	0.03% (20 Hz–20 kHz, Half Power)
Input Sensitivity and Impedance	Line Phono MM	200 mV/47 kΩ 3.5 mV/47 kΩ	200 mV/47 kΩ 2.5 mV/47 kΩ
Rated RCA Output Level and Impedance	1 V/680 Ω (Subwoofer Pre Out)	1 V/680 Ω (Subwoofer Pre Out)	200 mV/2.2 kΩ (Rec Out)
Maximum RCA Output Level and Impedance	—	—	2.0 V/2.2 kΩ (Rec Out)
Phono Overload	70 mV (MM, 1 kHz, 0.5%)	70 mV (MM, 1 kHz, 0.5%)	70 mV (MM, 1 kHz, 0.5%)
Frequency Response	10 Hz–100 kHz/+1 dB, -3 dB (Direct/Pure Audio Mode)	10 Hz–100 kHz/+1 dB, -3 dB (Direct Mode)	10 Hz–100 kHz (+1 dB, -3 dB)
Tone Control	±10 dB, 100 Hz (Bass) ±10 dB, 10 kHz (Treble)	±10 dB, 100 Hz (Bass) ±10 dB, 10 kHz (Treble)	±11 dB, 100 Hz (Bass) ±11 dB, 10 kHz (Treble)
Signal-to-Noise Ratio	106 dB (IHF-A, Line In, Speaker Out) 80 dB (IHF-A, Phono In, Speaker Out)	106 dB (IHF-A, Line In, Speaker Out) 80 dB (IHF-A, Phono In, Speaker Out)	100 dB (IHF-A, Line) 80 dB (IHF-A, Phono MM)
Speaker Impedance	4 Ω–16 Ω	4 Ω–16 Ω	4 Ω–16 Ω (A or B), 8 Ω–16 Ω (A + B)
Headphone Output Impedance	390 Ω	390 Ω	—
Headphone Rated Output	200 mW (32 Ω, 1 kHz, 10%)	200 mW (32 Ω, 1 kHz, 10%)	—
Tuning Frequency Range	FM AM	87.5 MHz–108 MHz 522 kHz–1,611 kHz	87.5 MHz–108 MHz 522 kHz–1,611 kHz
Power Supply	AC 220–230V~, 50/60 Hz	AC 220–230V~, 50/60 Hz	AC 230 V~, 50 Hz
Power Consumption	220 W	200 W	170 W
Standby Power Consumption	0.2 W	0.2 W	0.25 W
No-Sound Power Consumption	45 W	45 W	35 W
Network Standby Power Consumption	2.9 W	2.0 W	—
Dimensions (W x H x D)	435 x 149 x 328 mm	435 x 149 x 328 mm	435 x 150 x 328.5 mm
Weight	8.6 kg	7.9 kg	7.3 kg

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